

FIG. 1

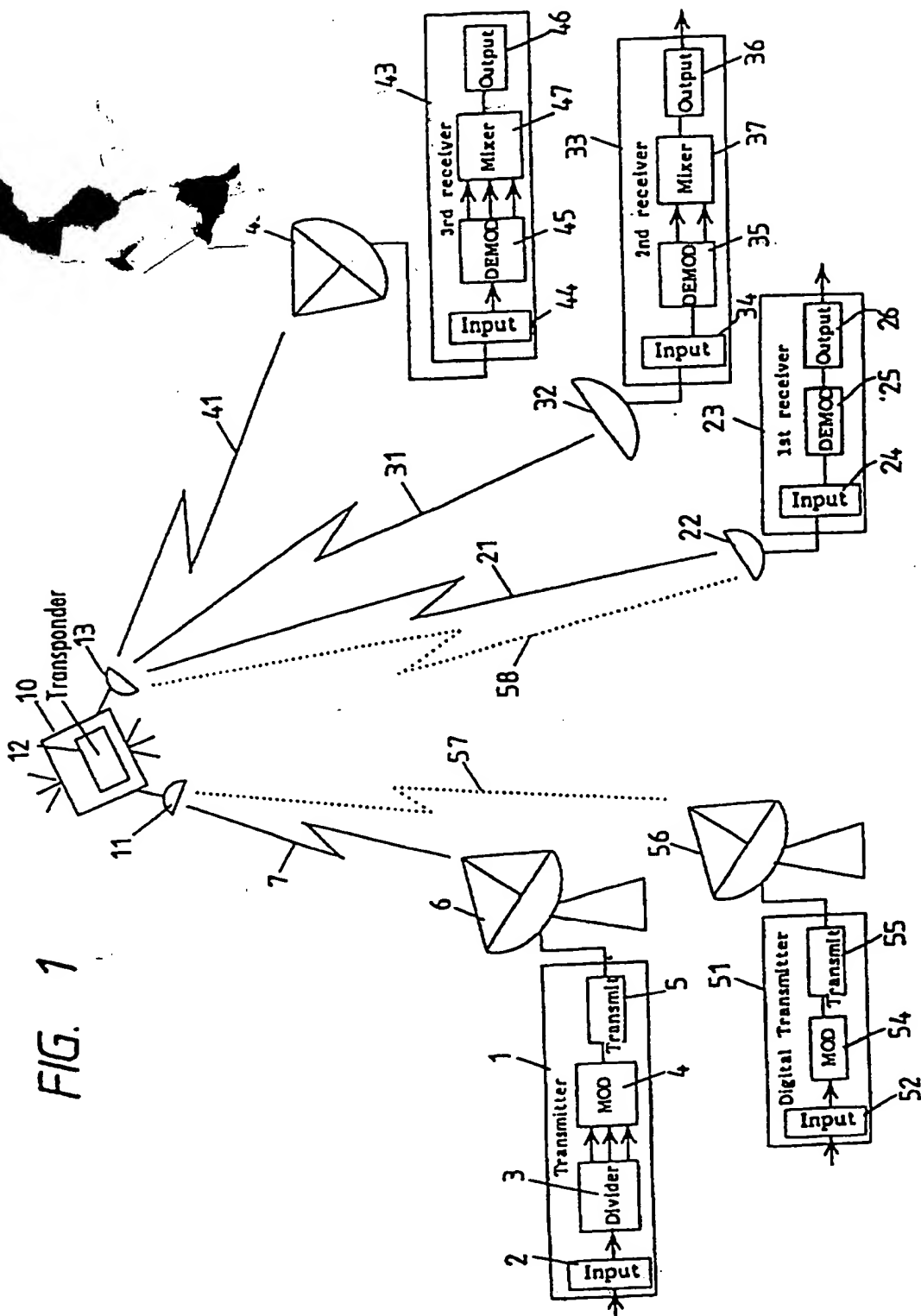
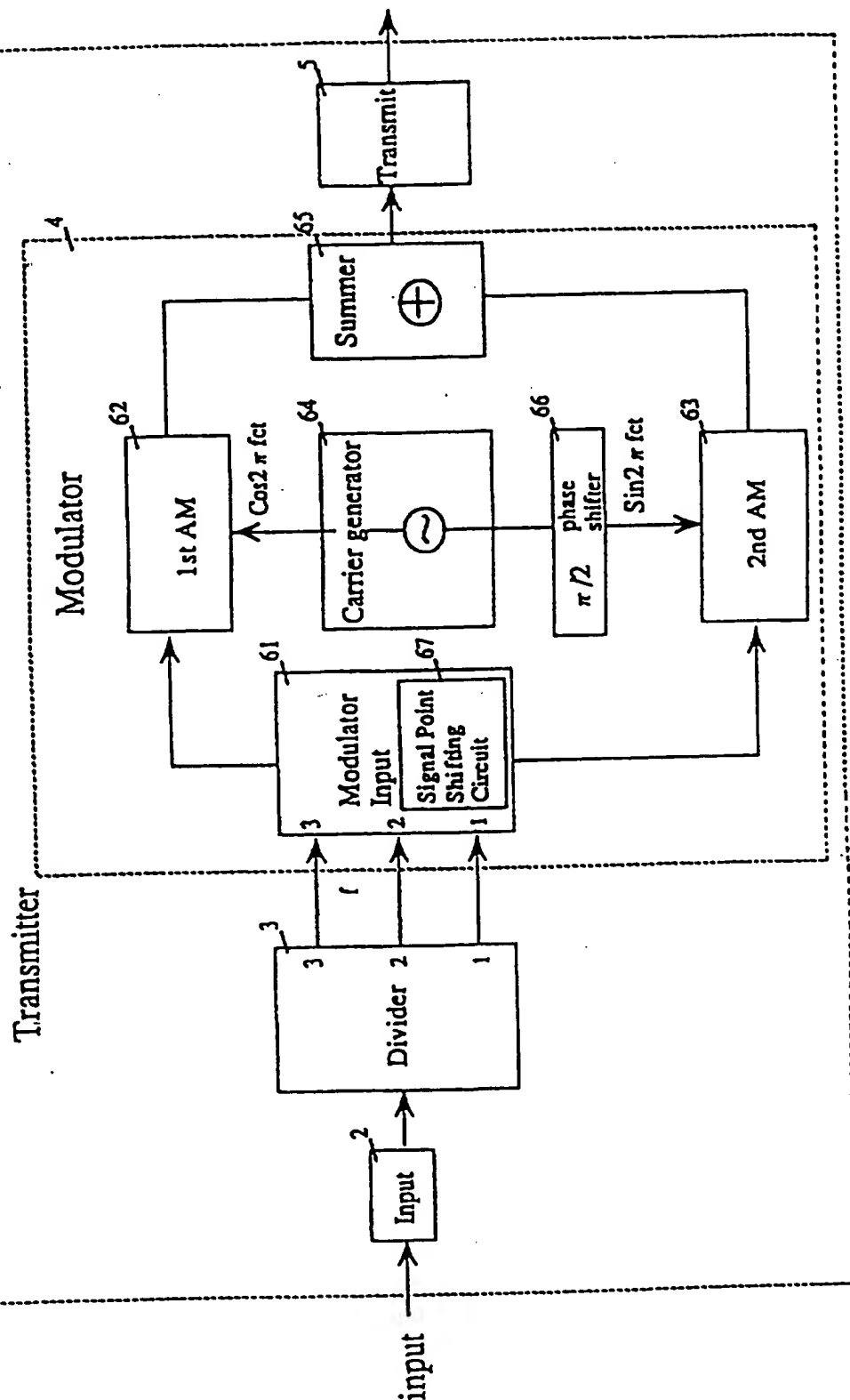
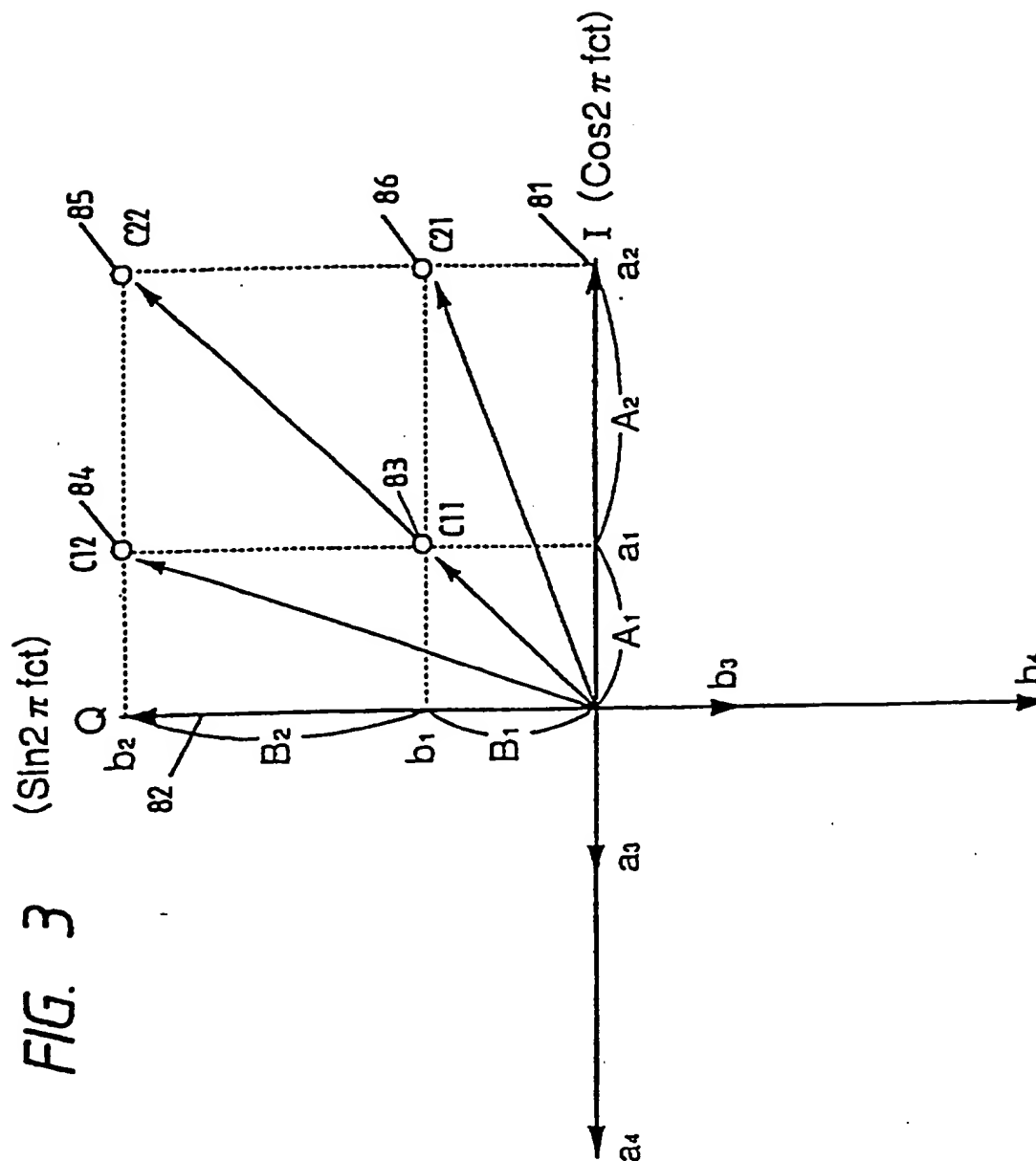
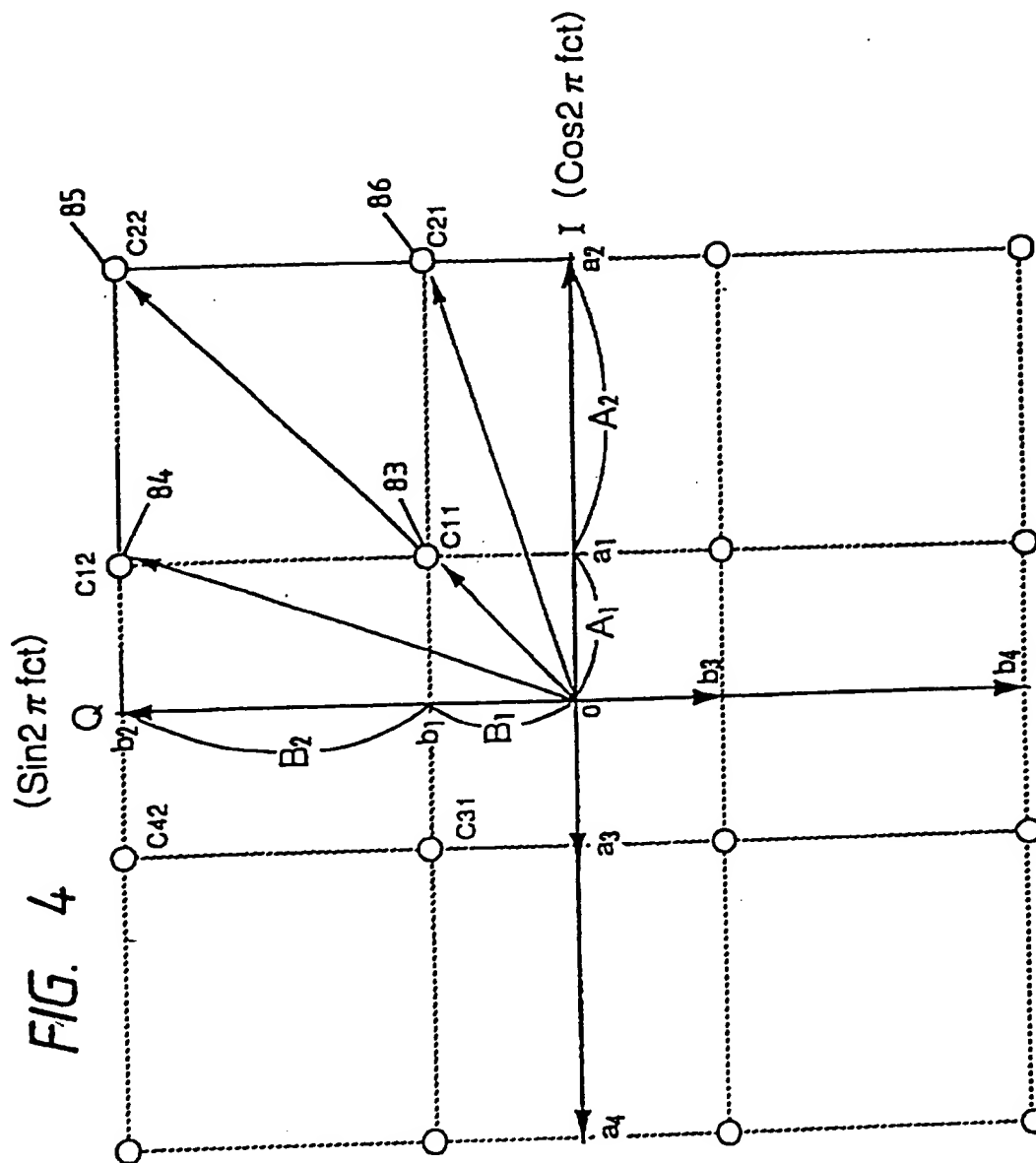


FIG. 2





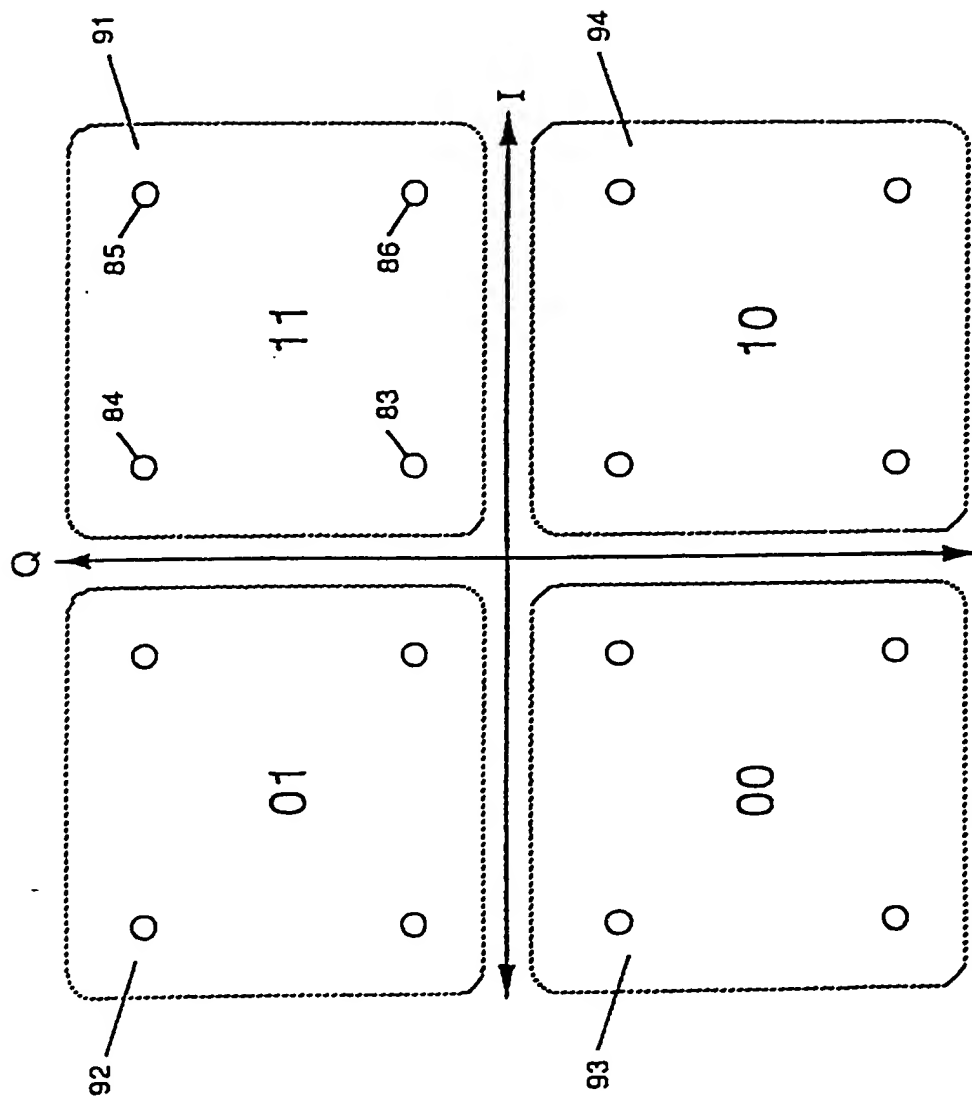


000221-3907400



FIG. 5  $(\sin^2 \pi fcl)$

FIG. 6



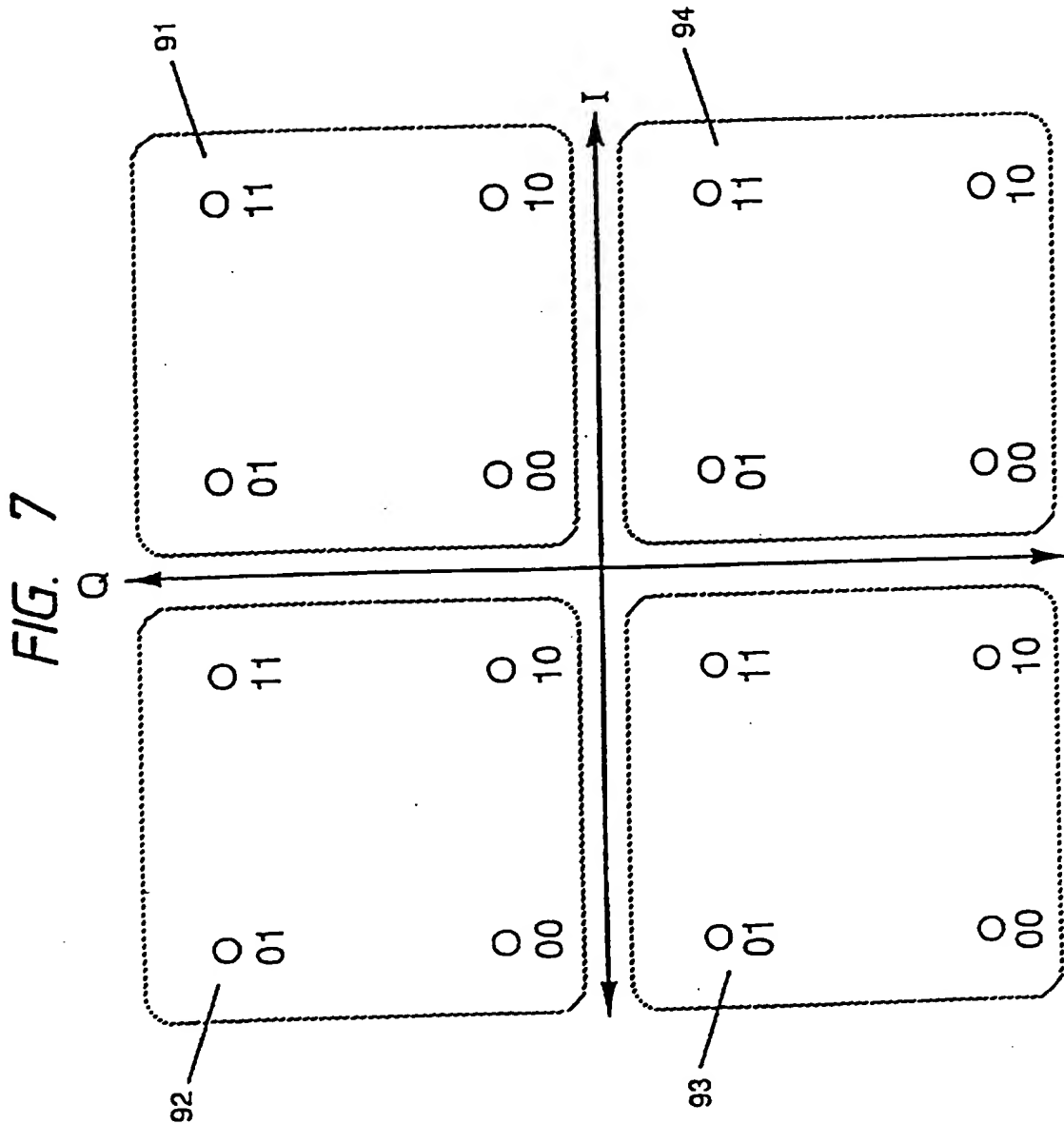


FIG. 8

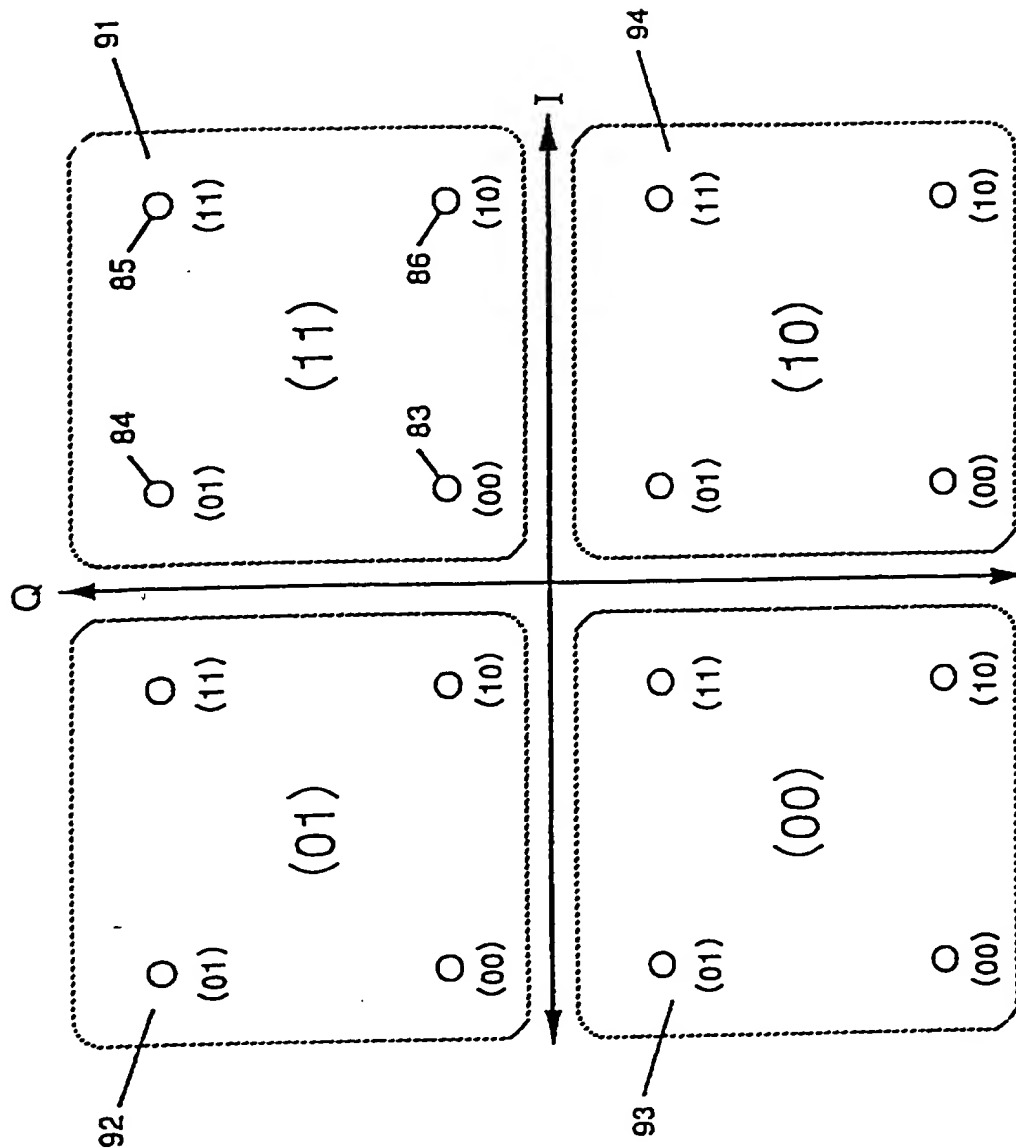
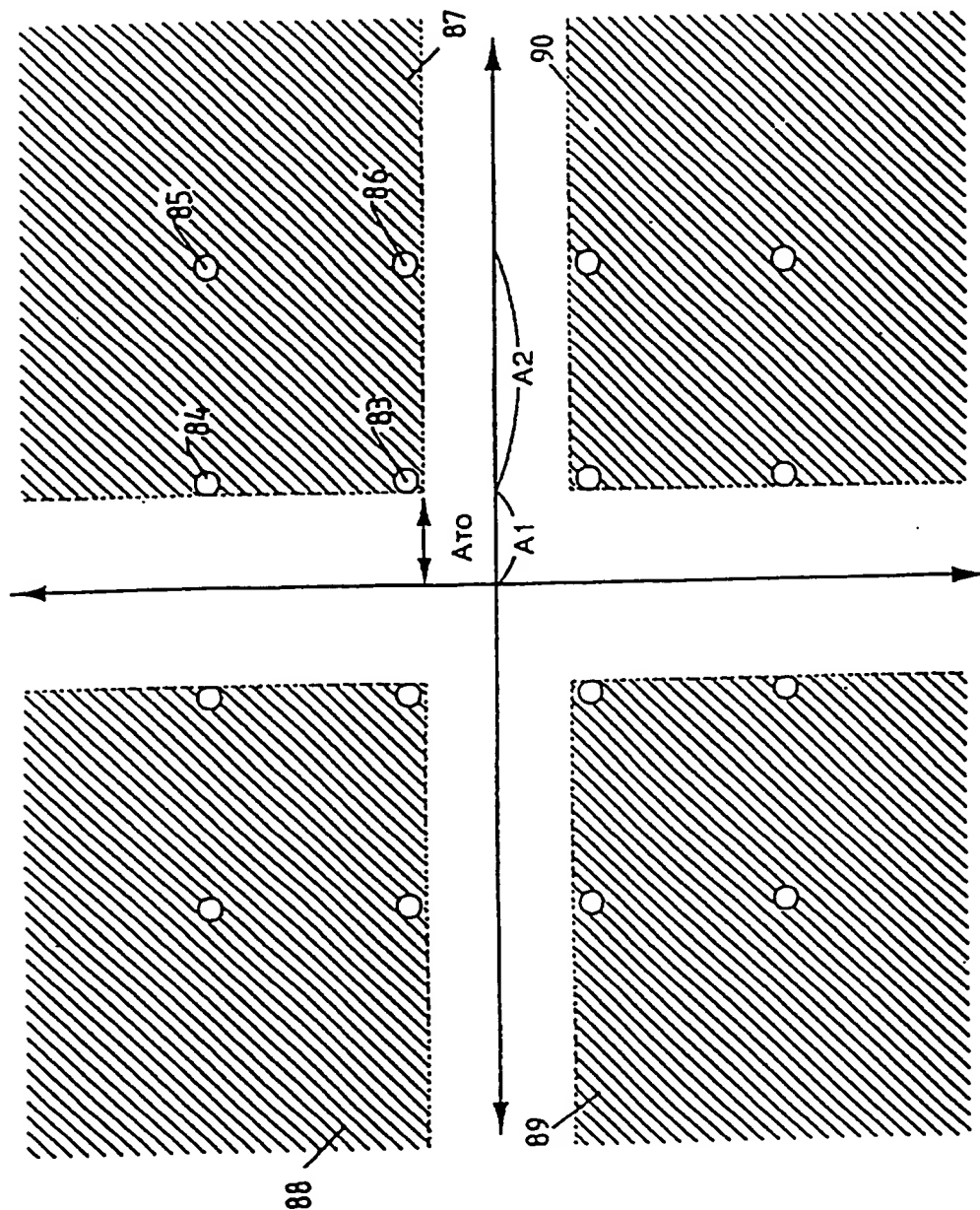


FIG. 9



[illegible]

FIG. 11

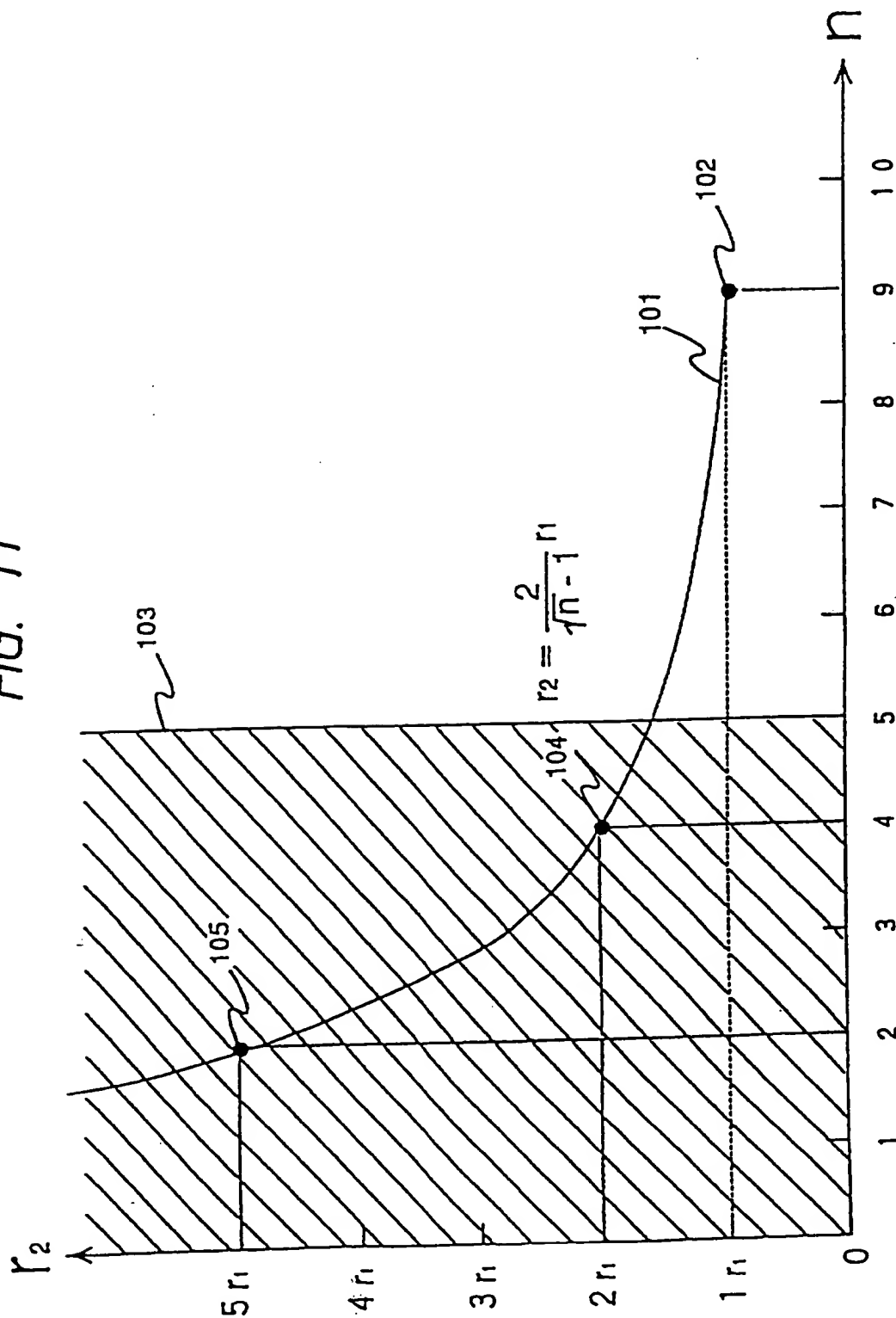
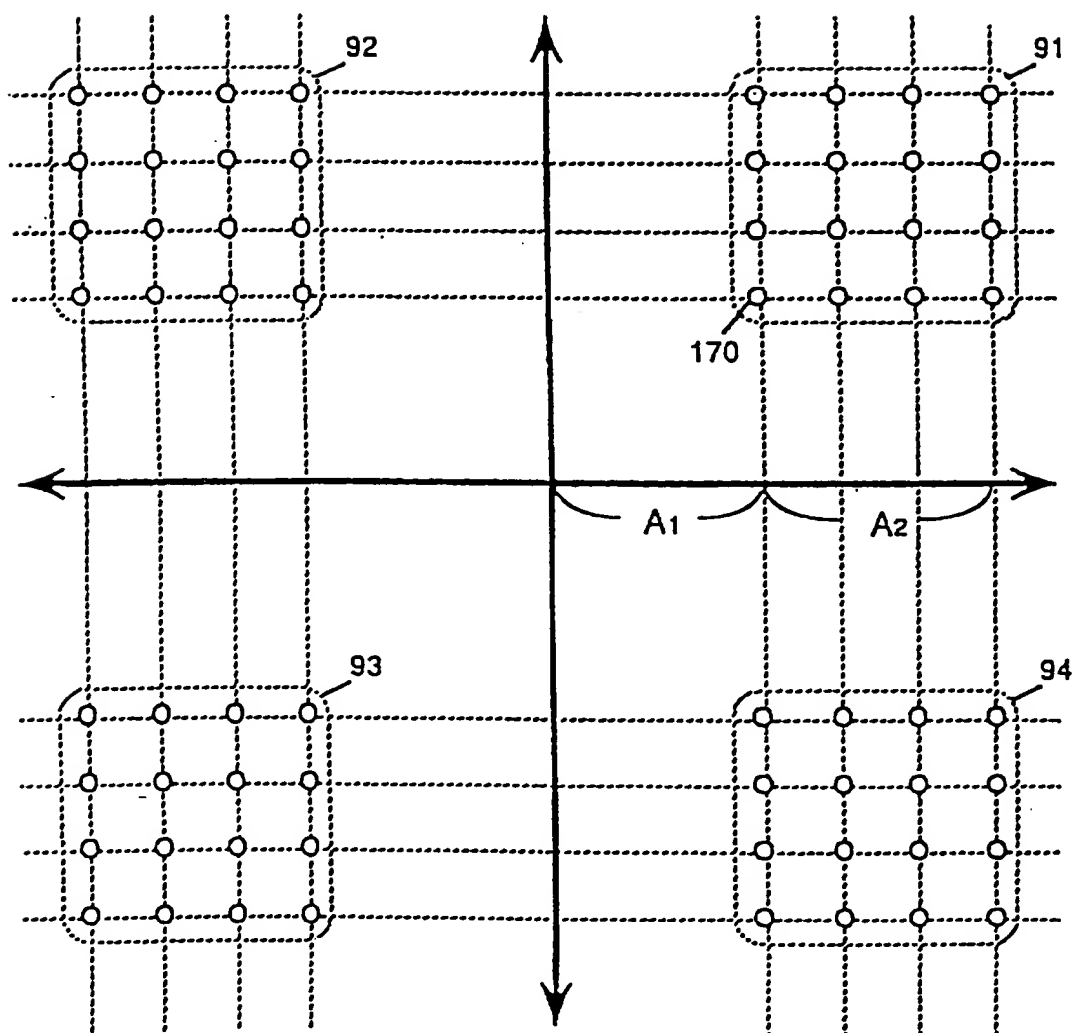


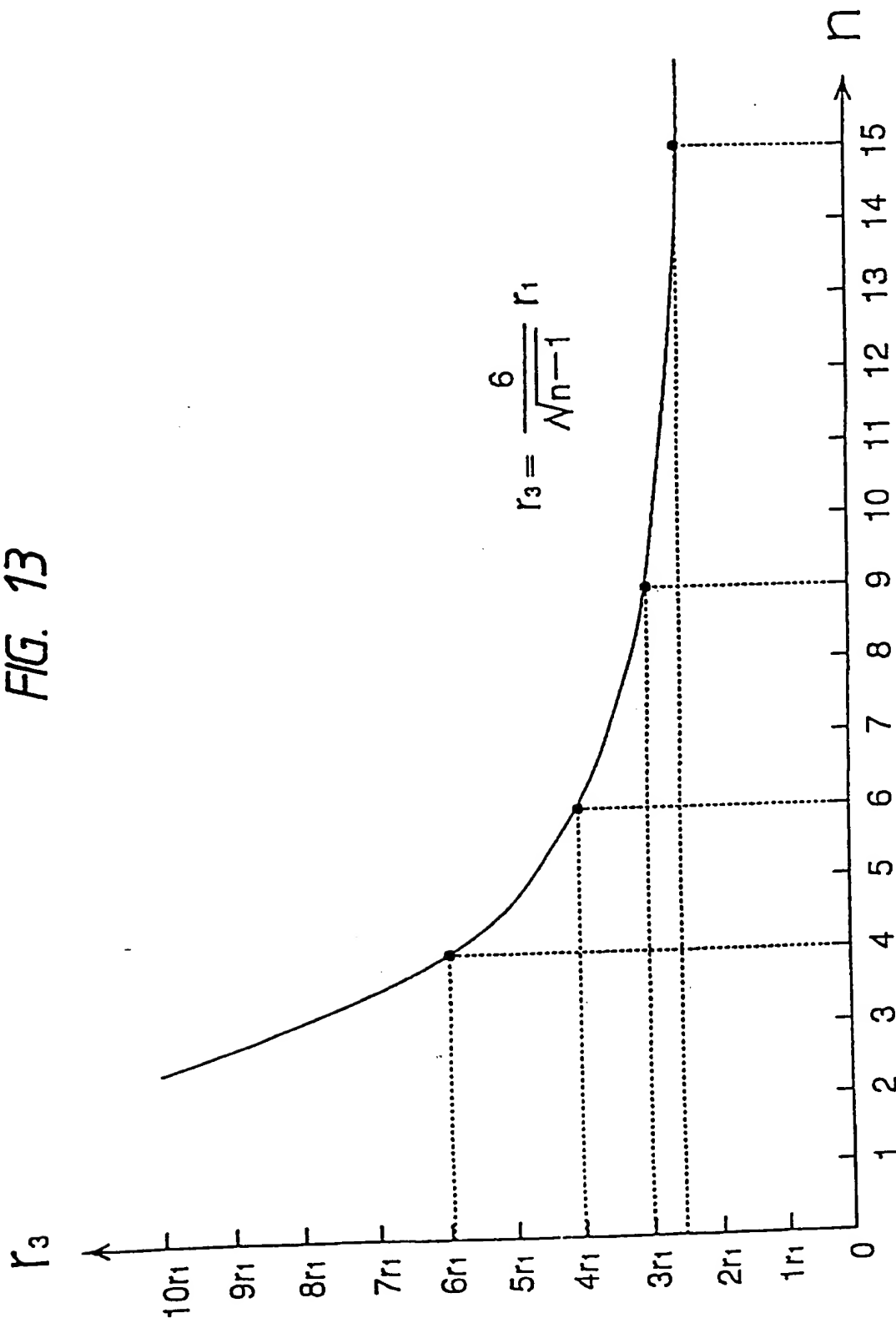
FIG. 12

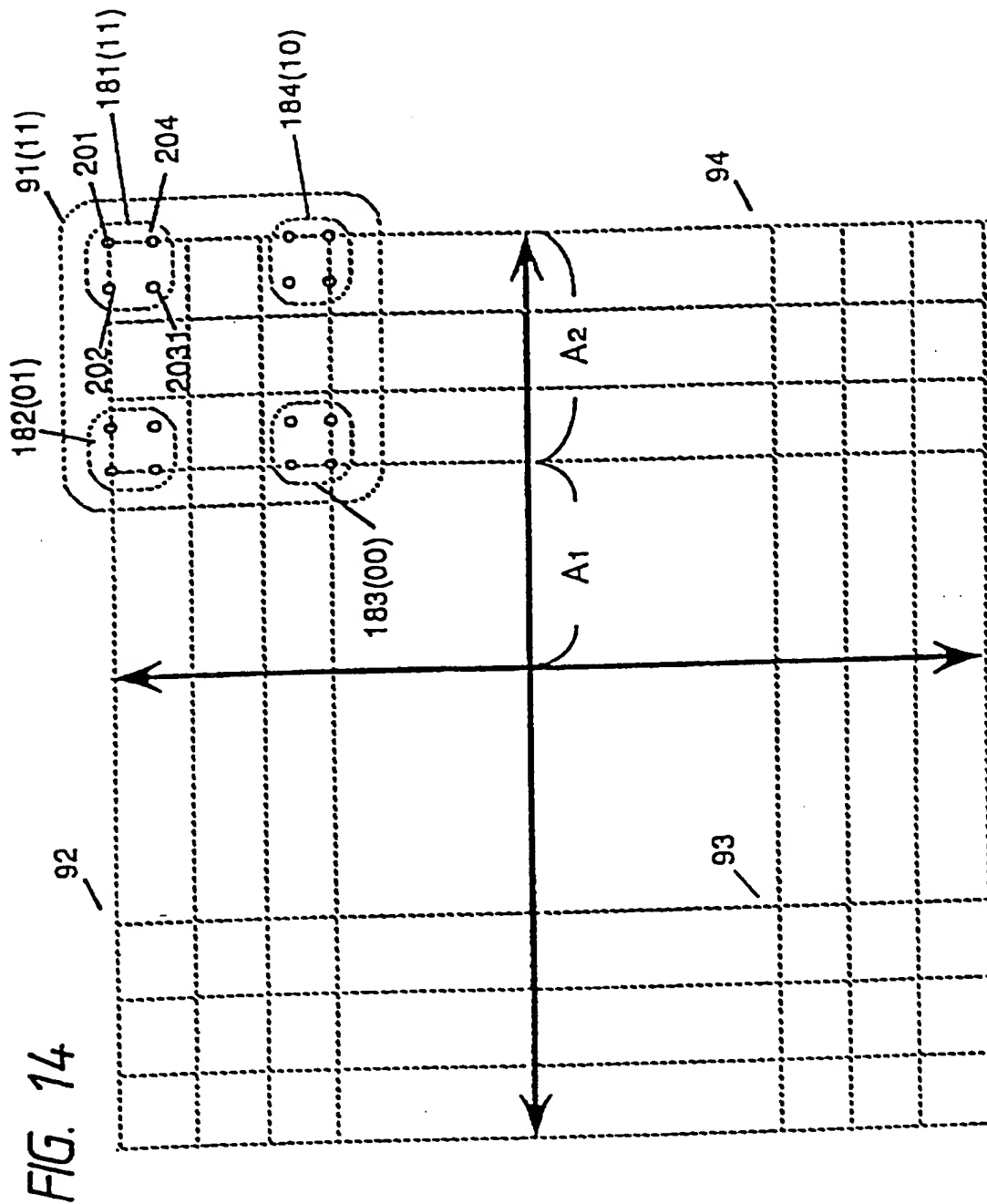


000001-1350074.00



FIG. 13





000001-000001

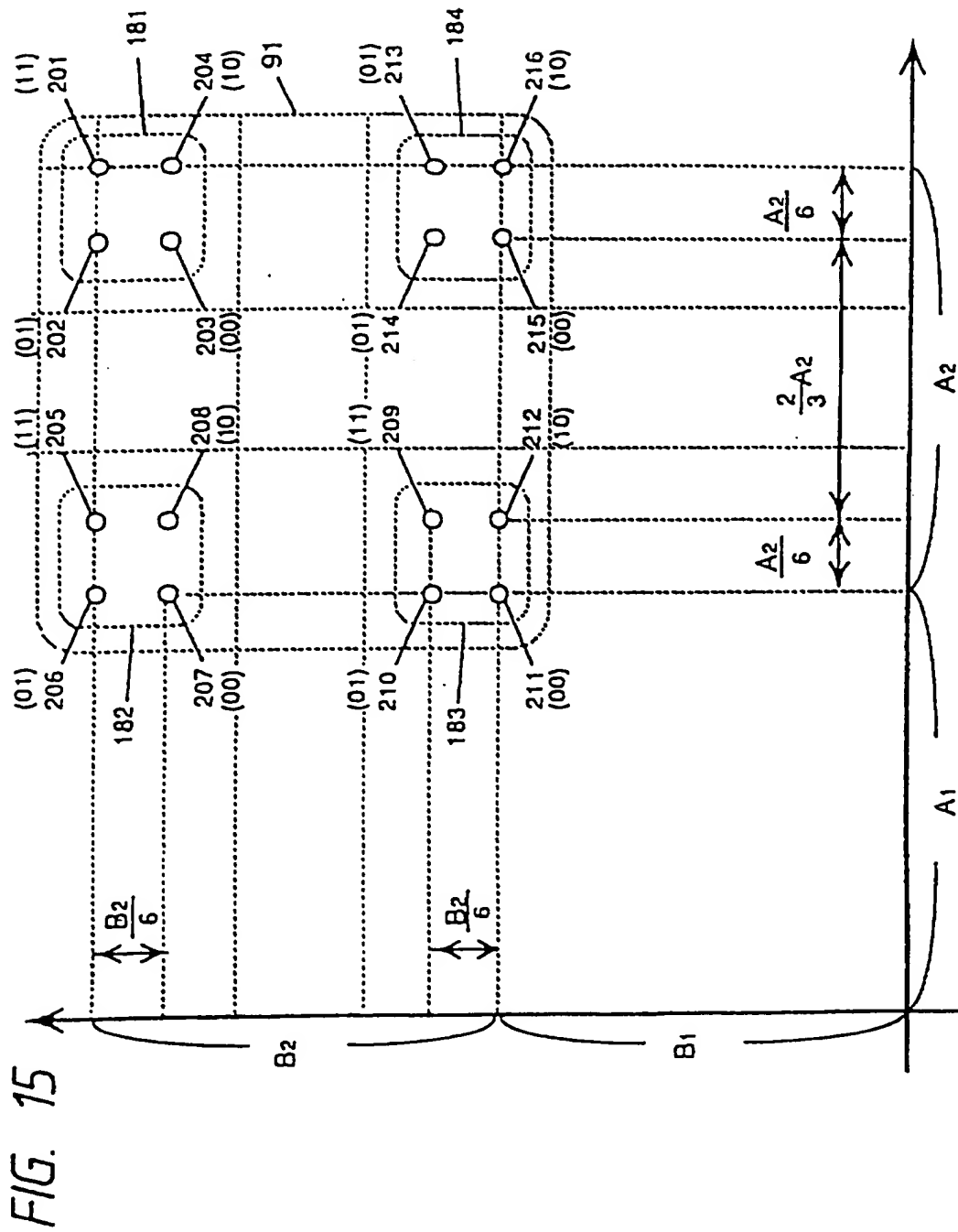
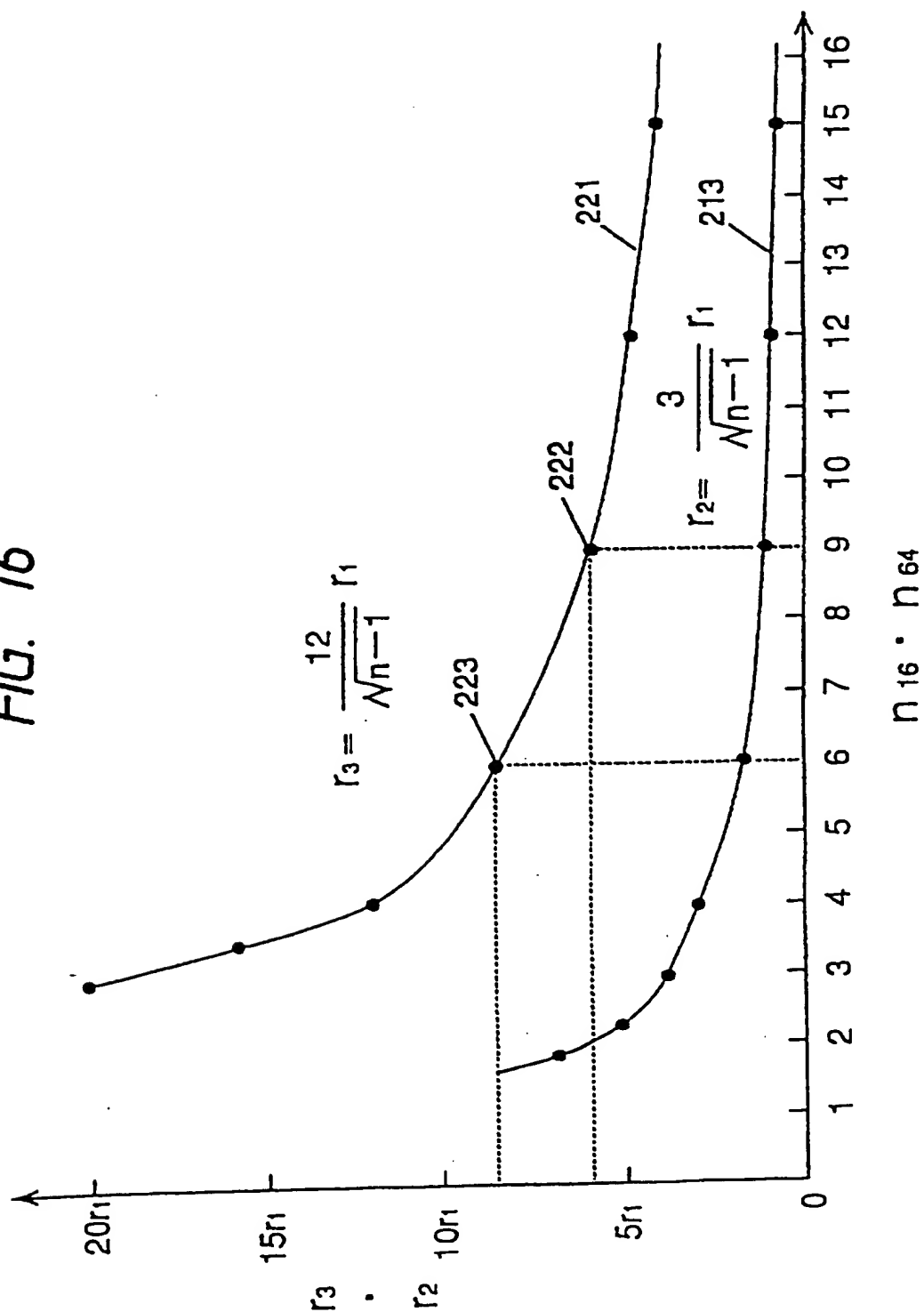


FIG. 16



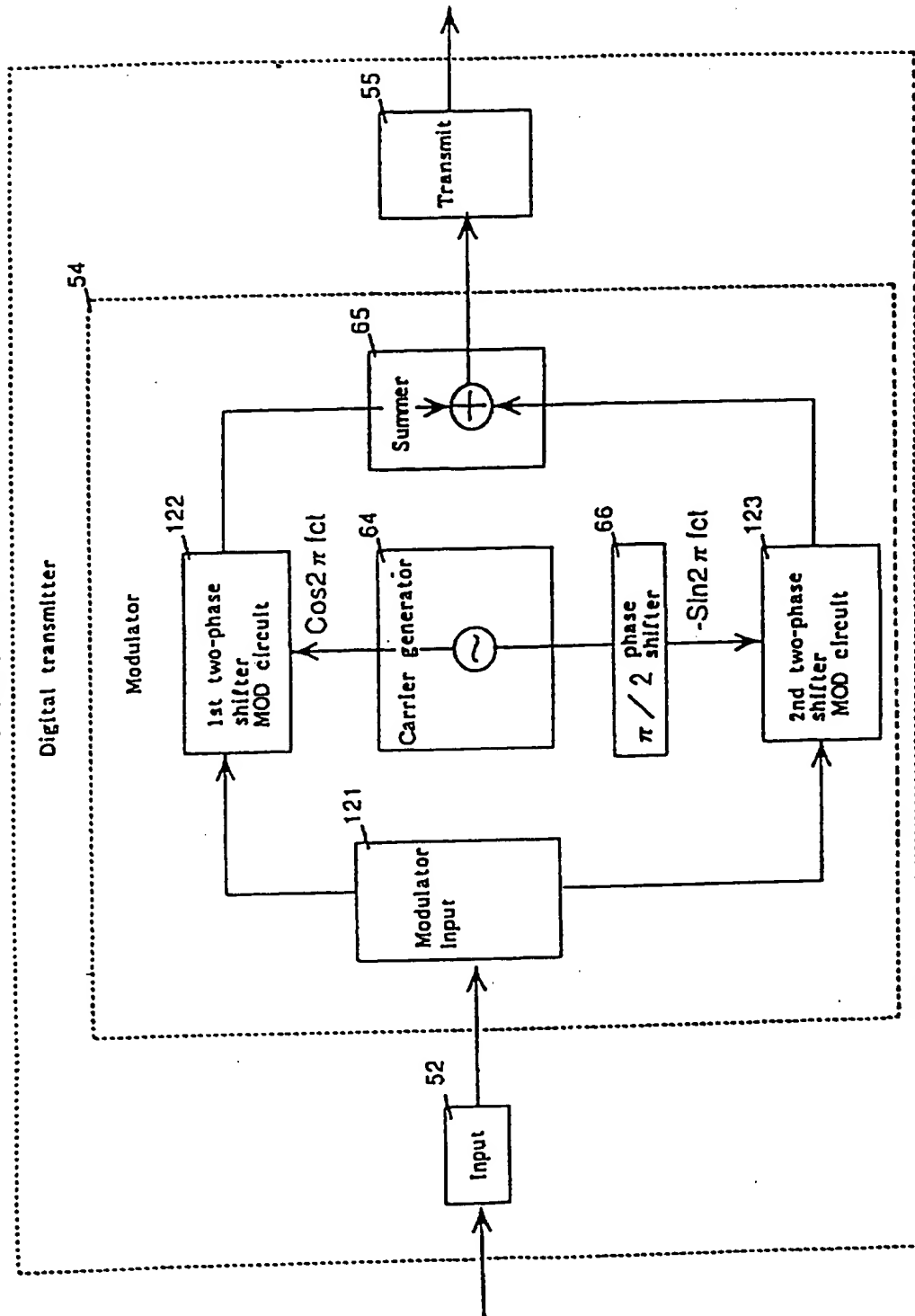


FIG. 18

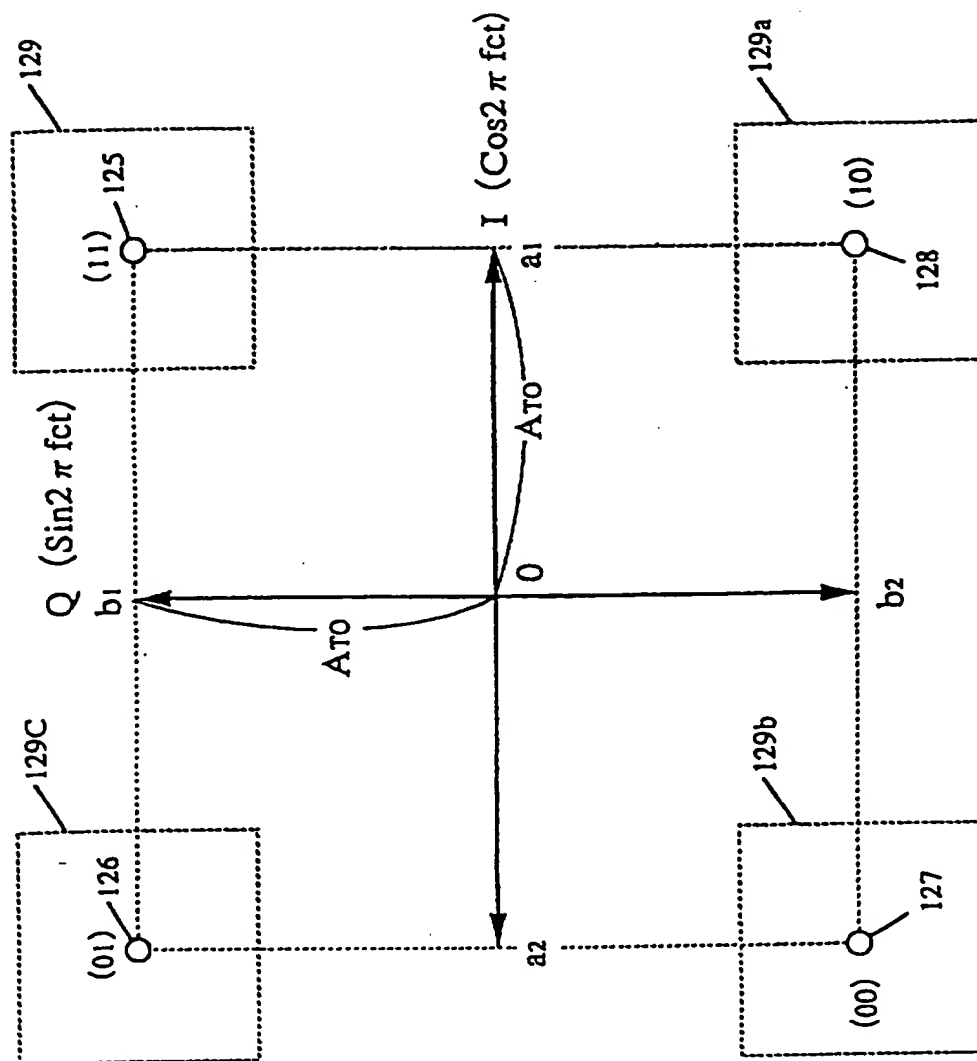
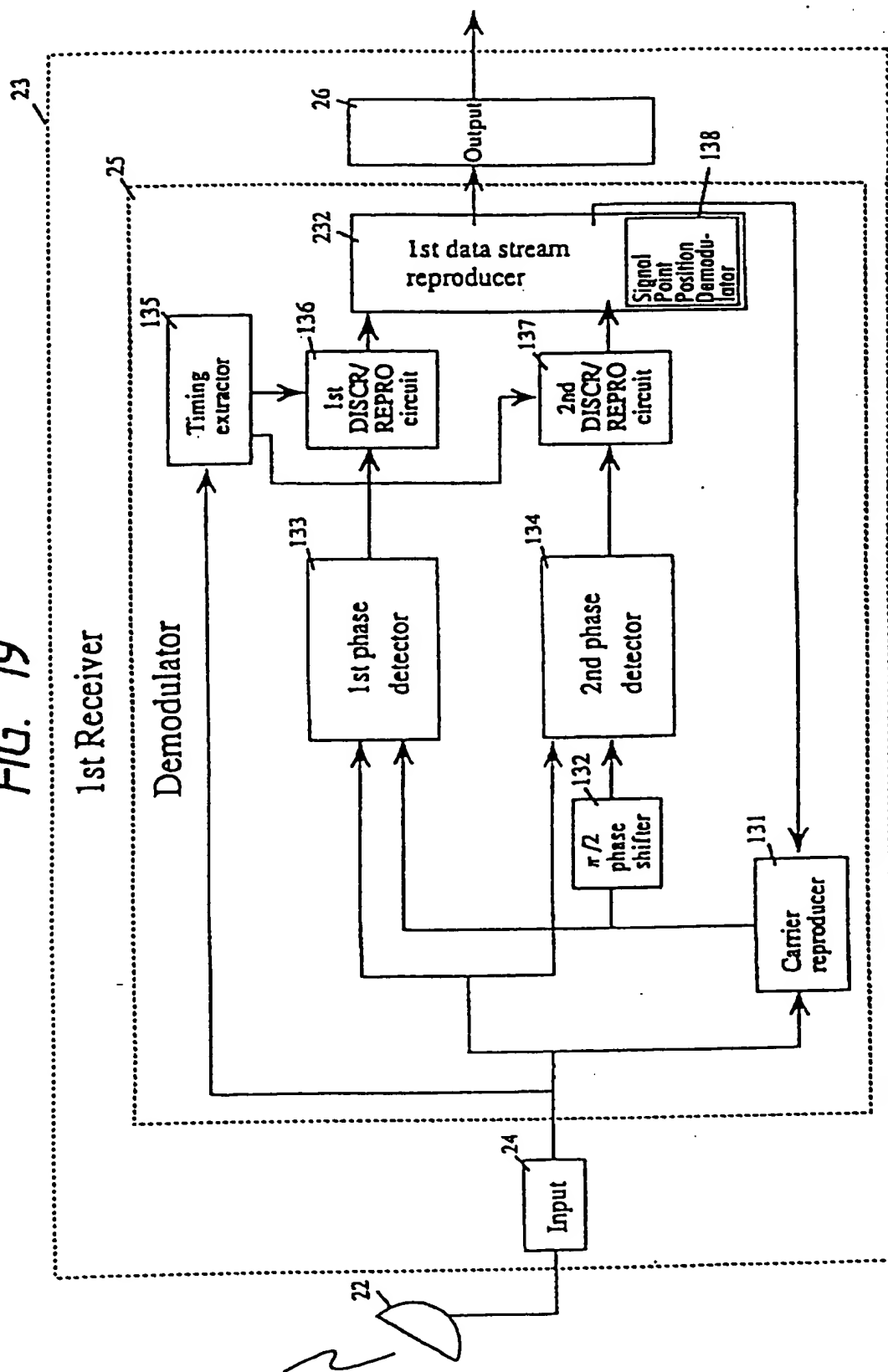
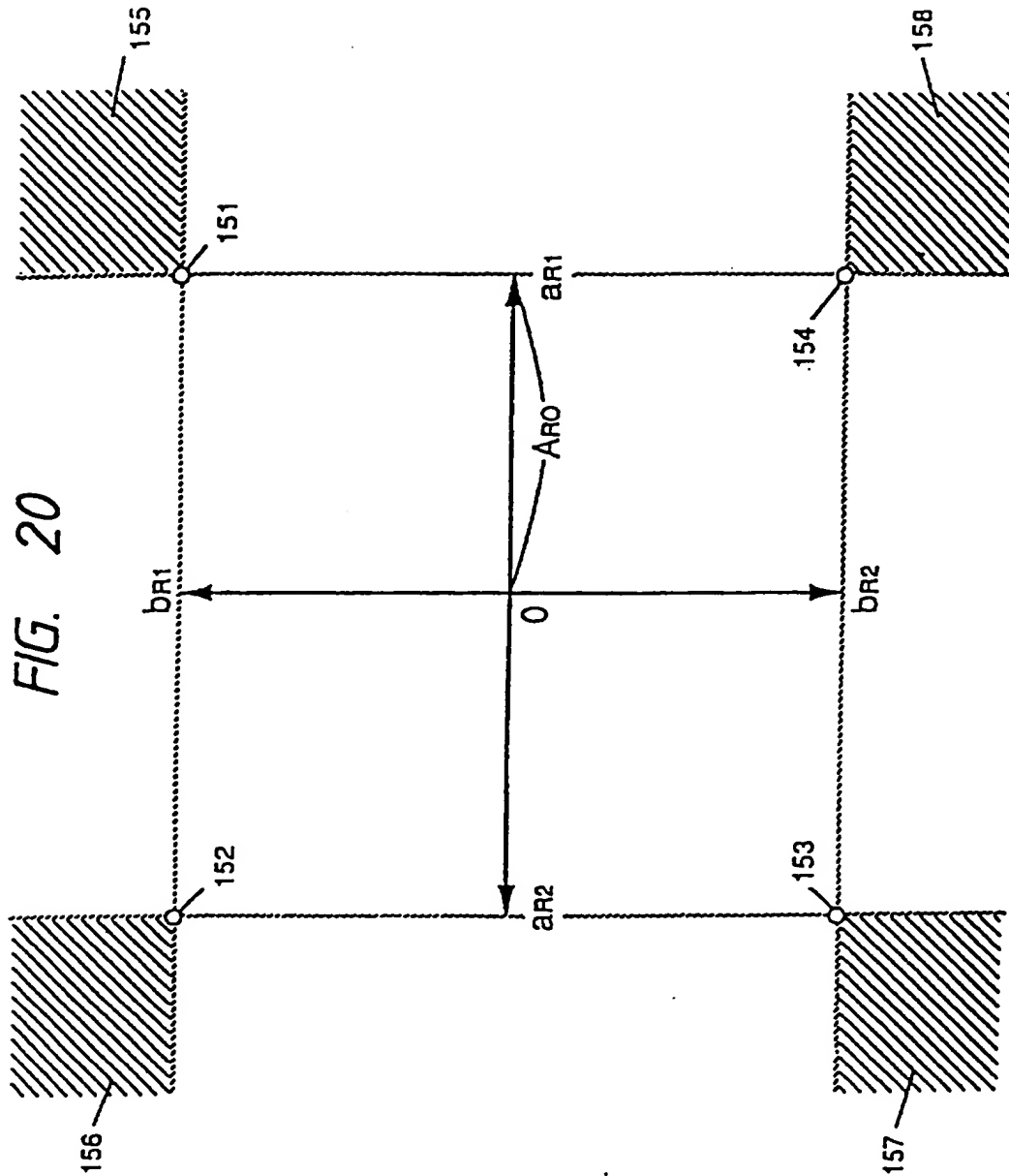


FIG. 19

1st Receiver

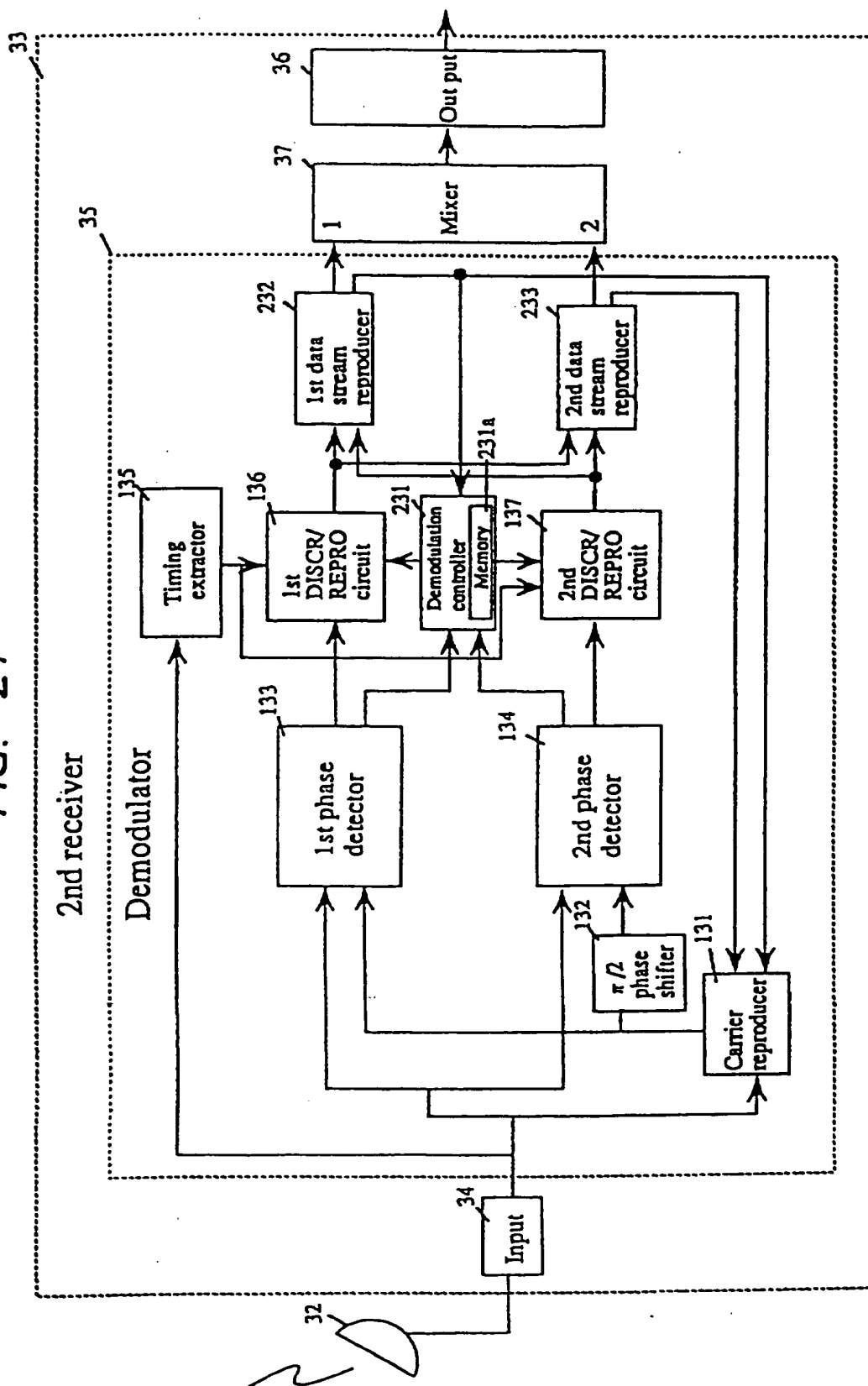
Demodulator

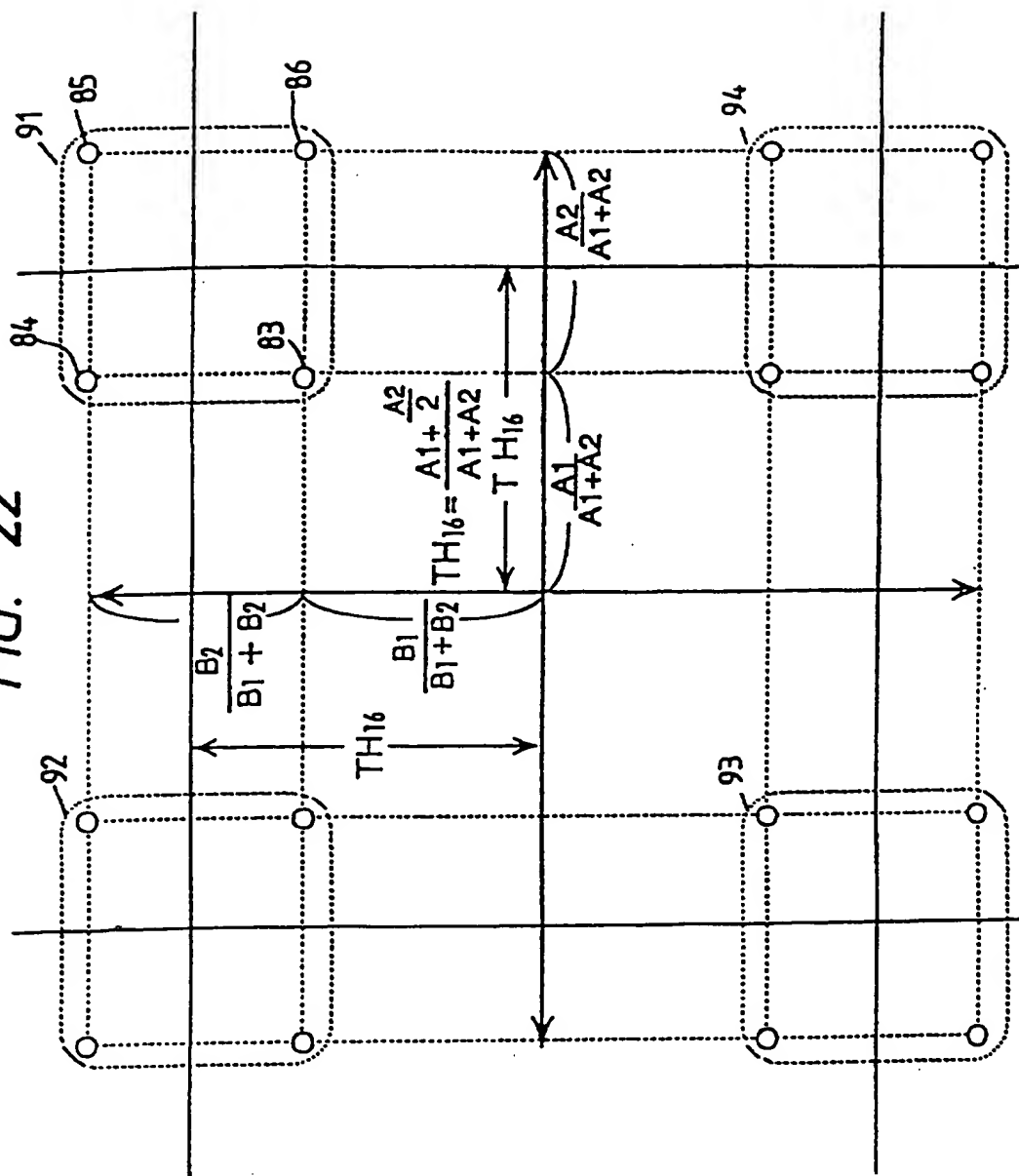


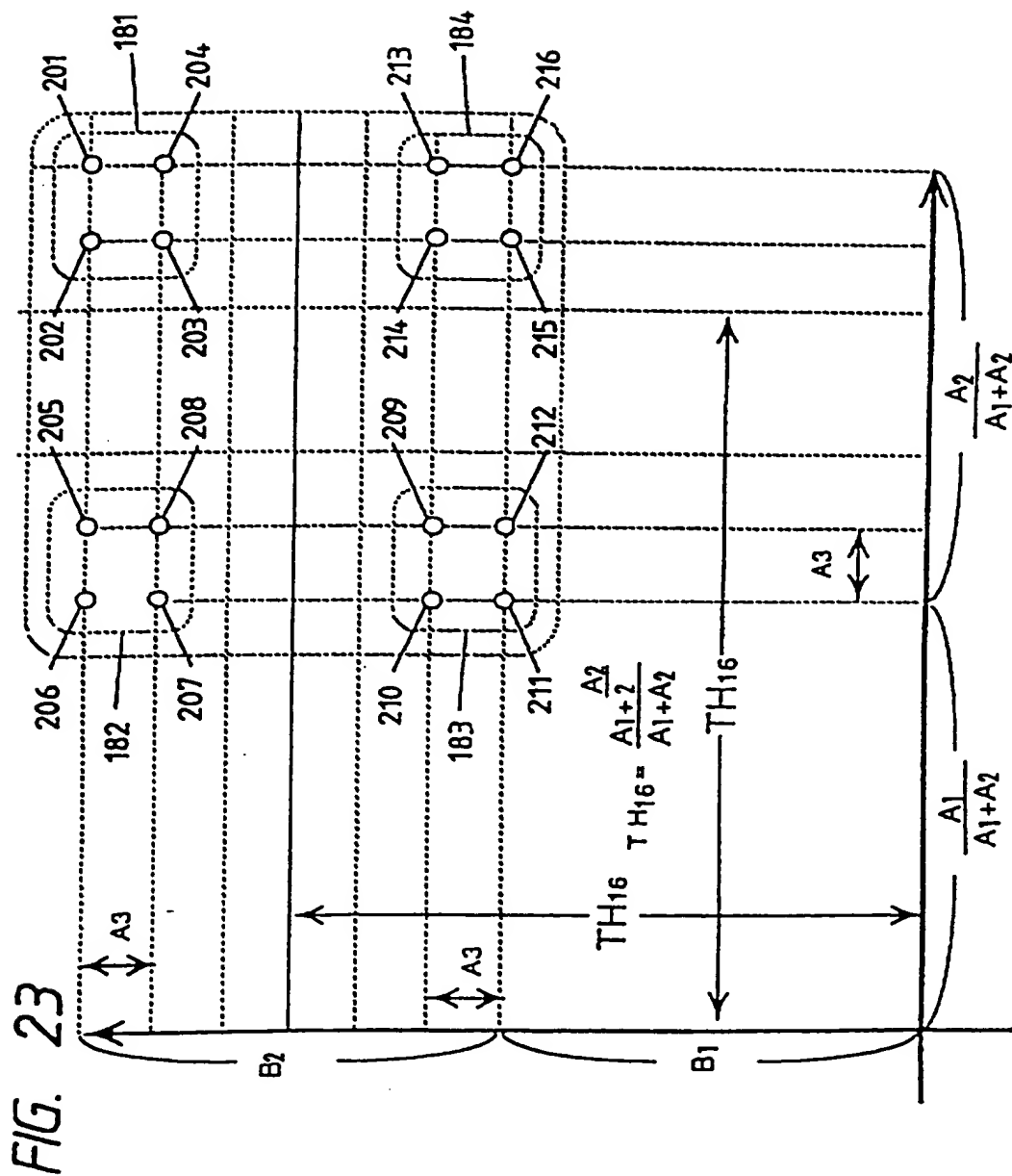


000001-89004260









**Publications**

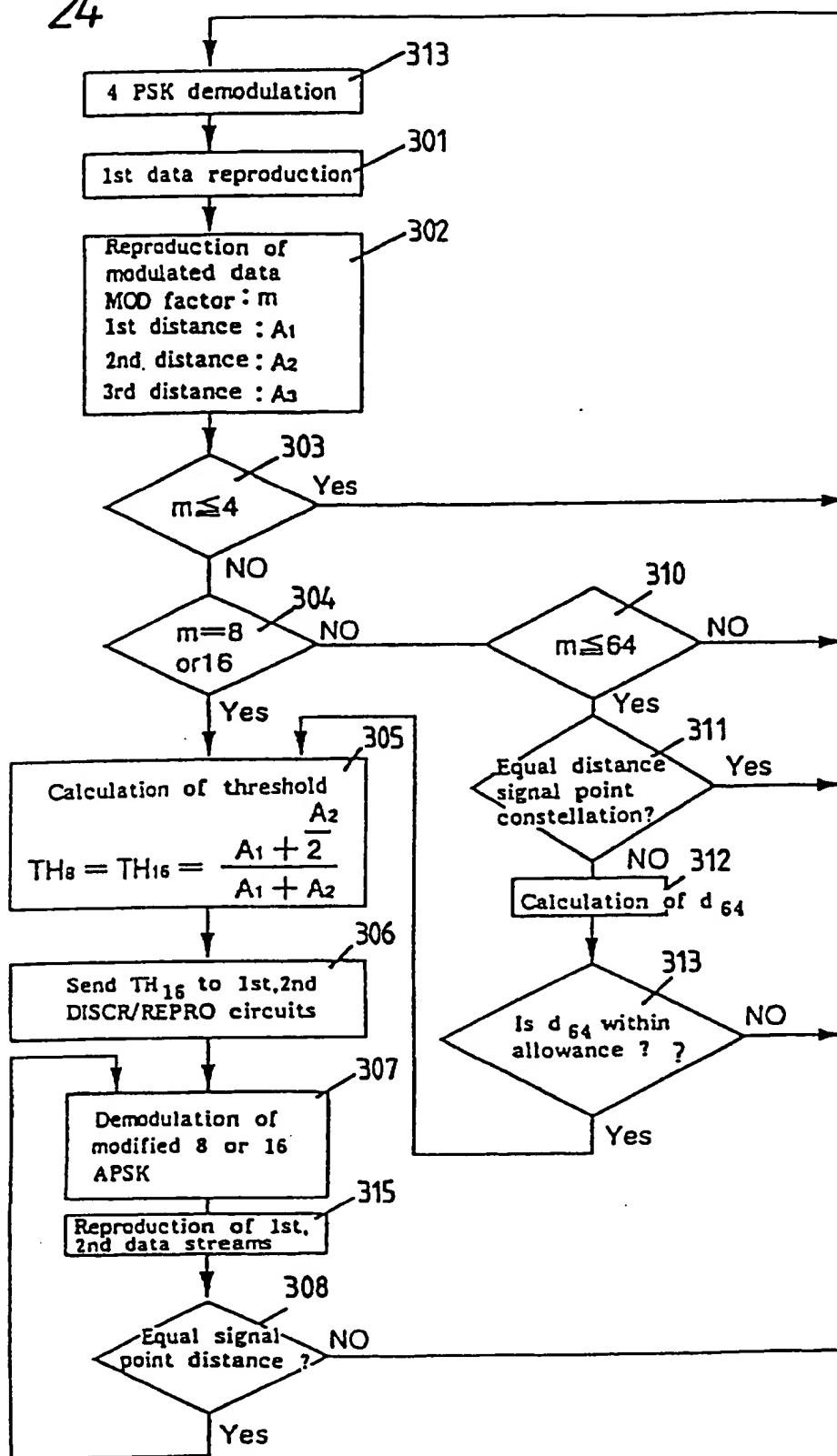


FIG. 25(a)

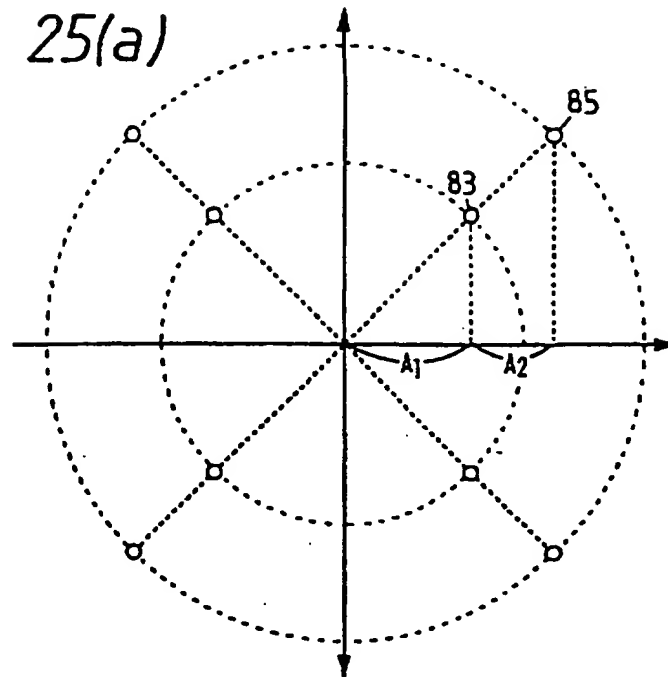
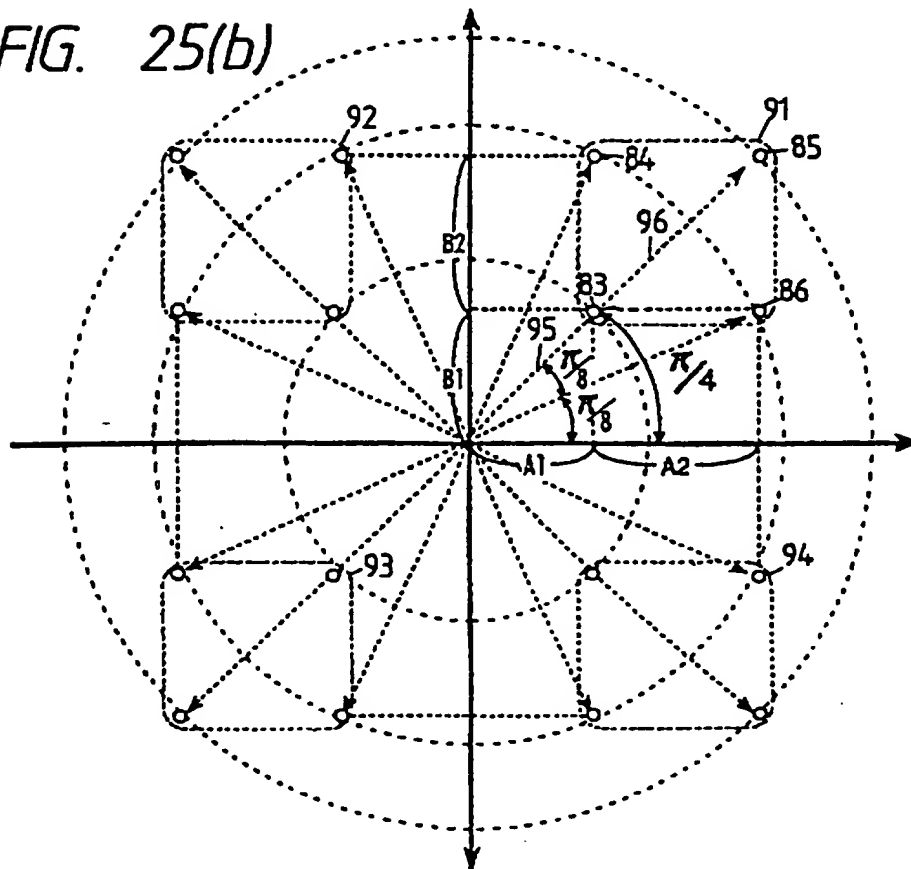
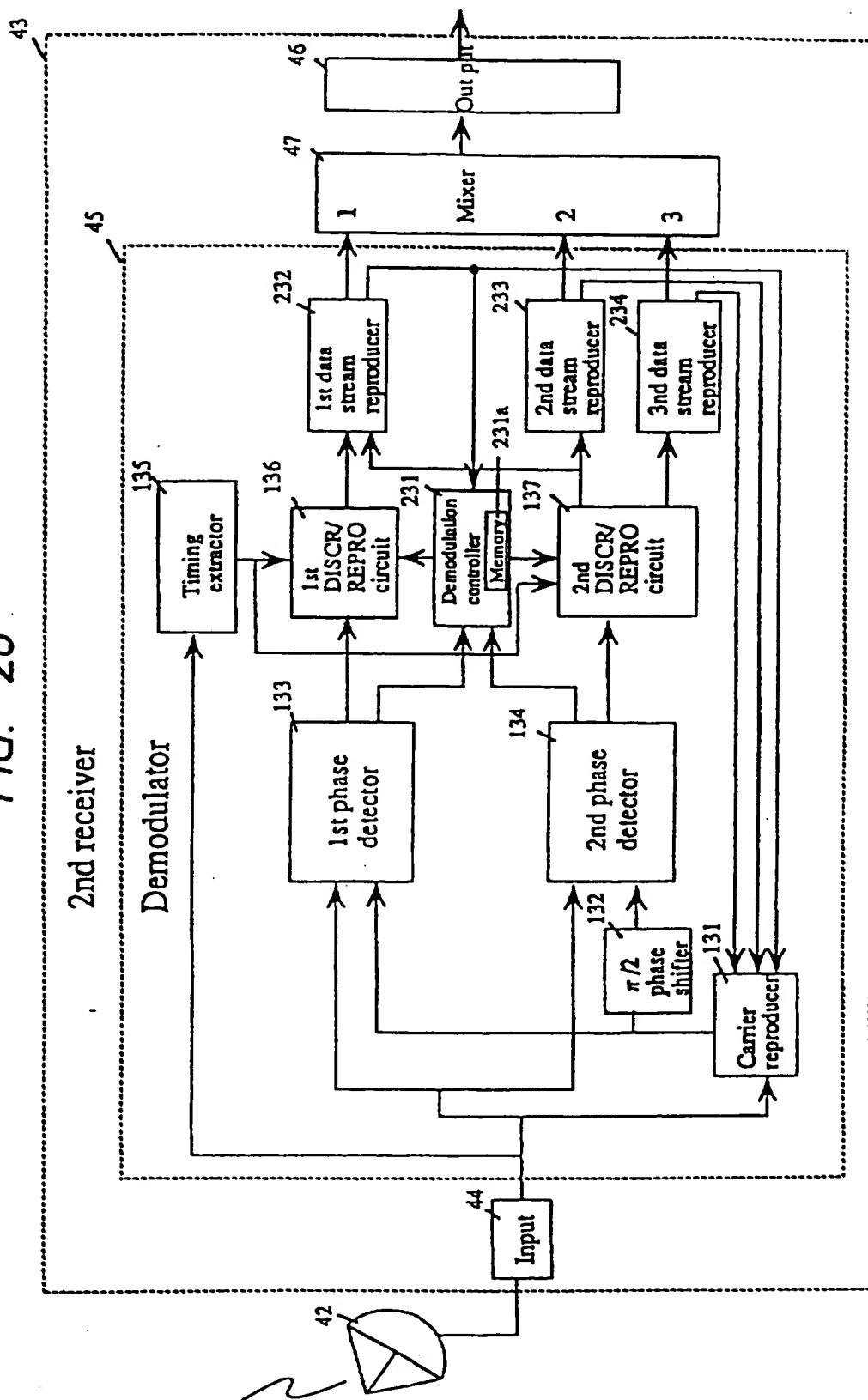


FIG. 25(b)

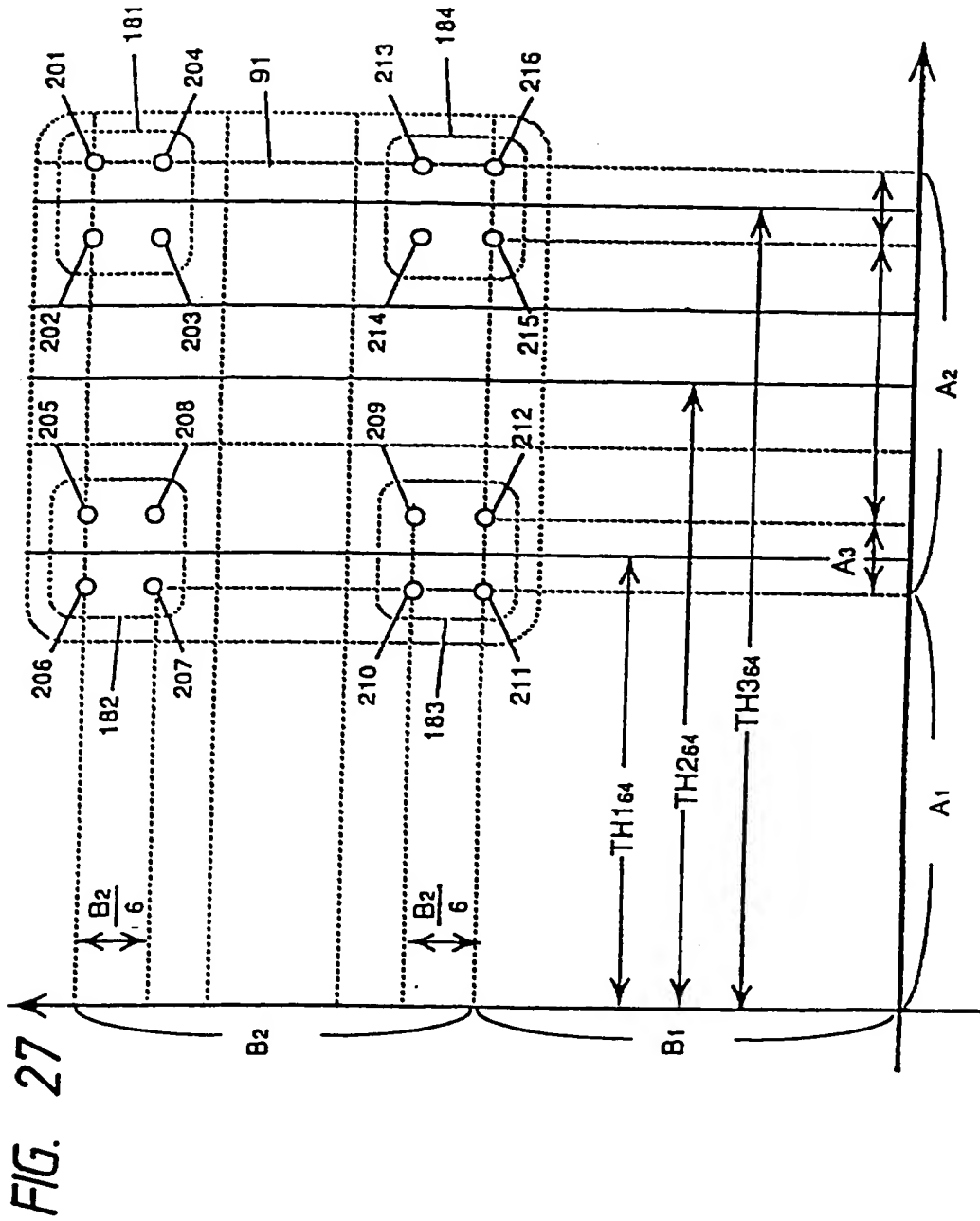


000227-39007460

FIG. 26



Sheet 1390074.60



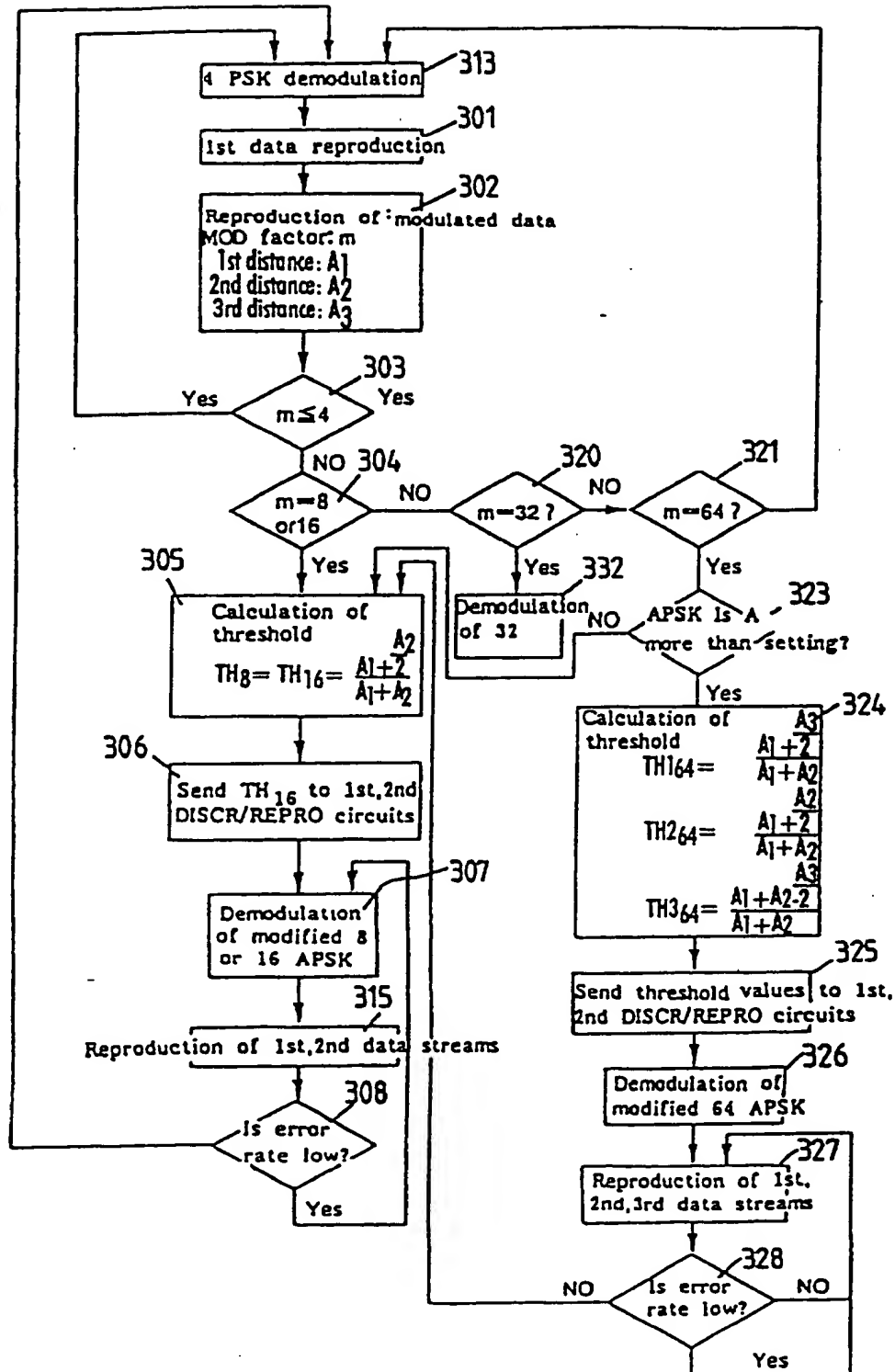




FIG. 29

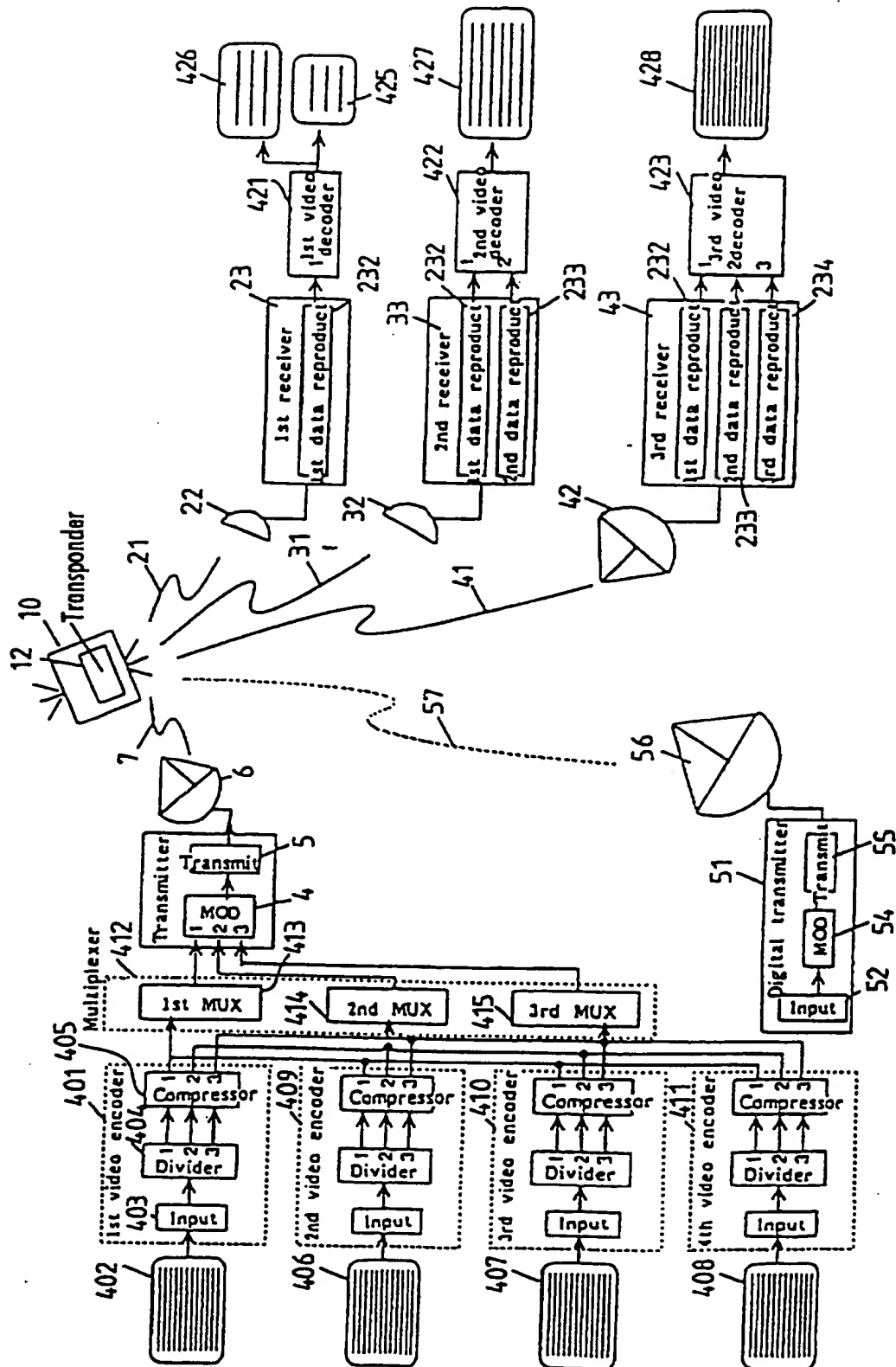


FIG. 30

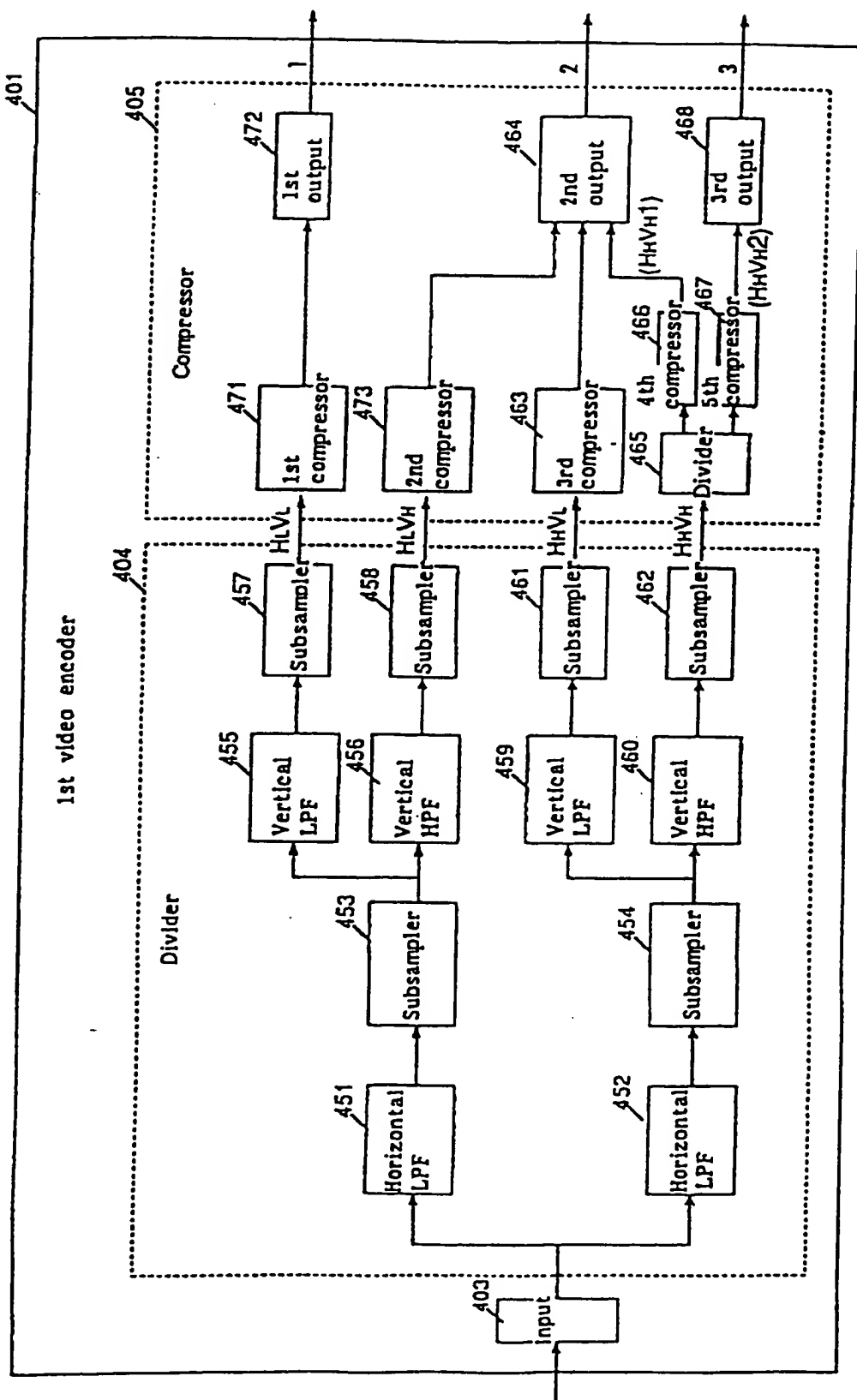
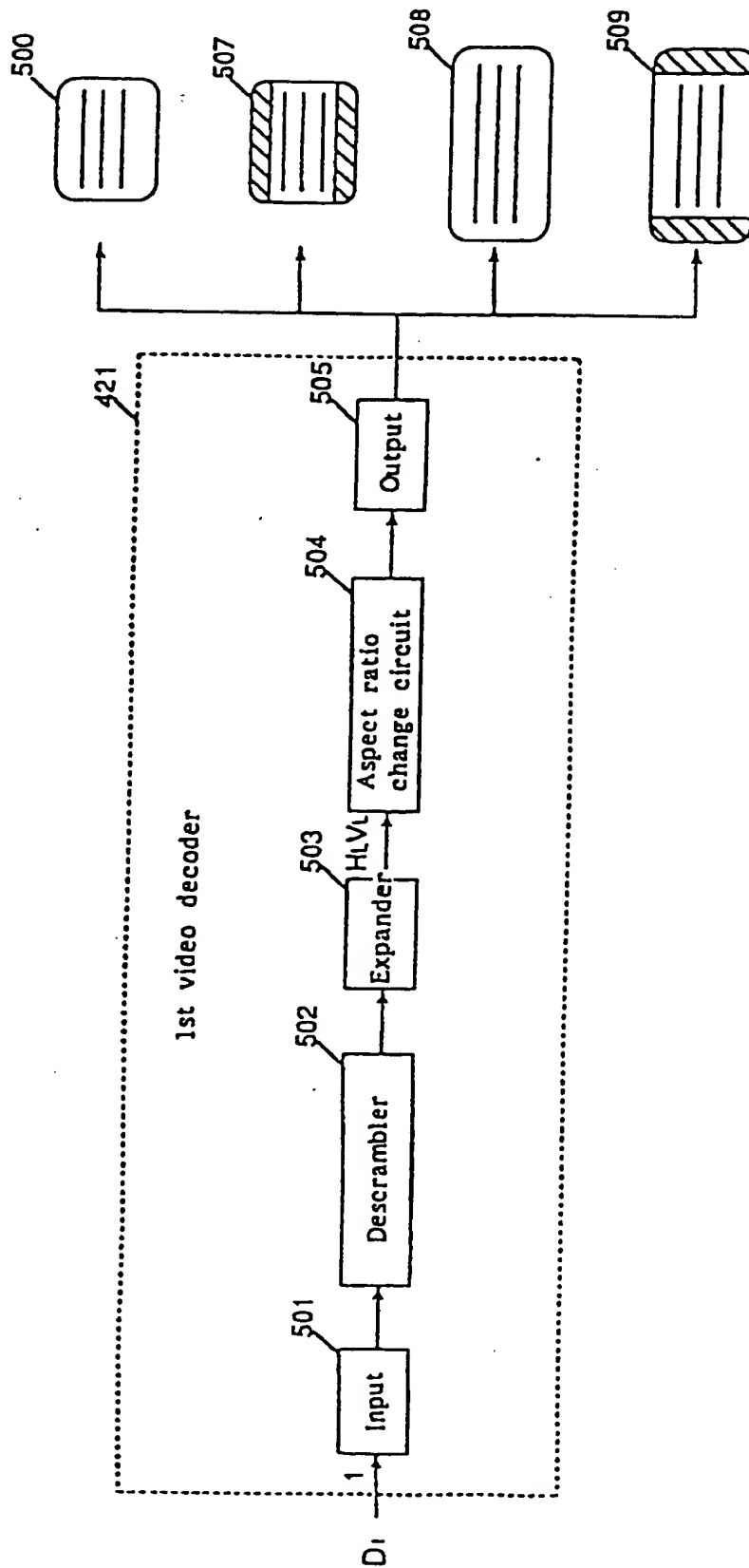


FIG. 31



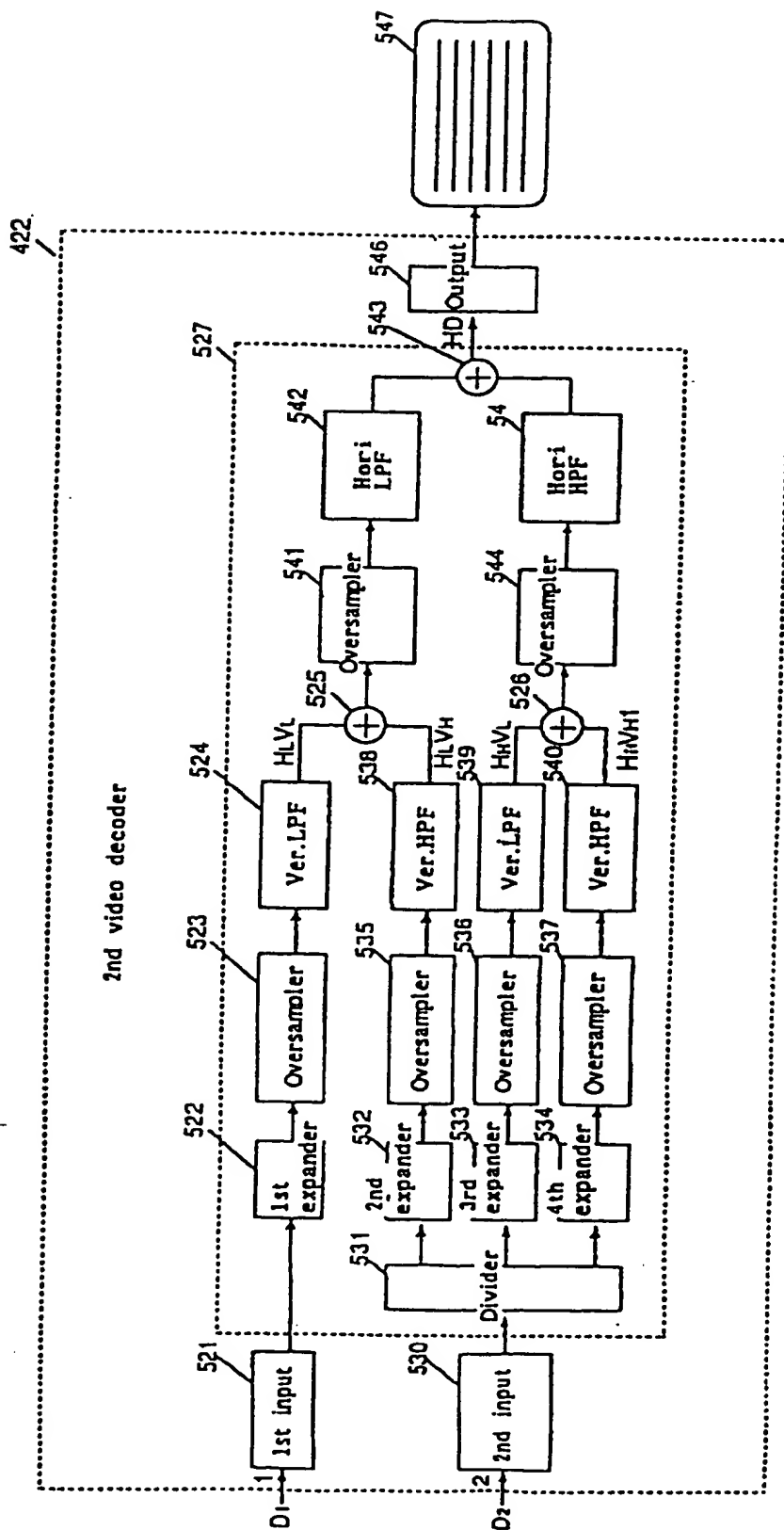


FIG. 33

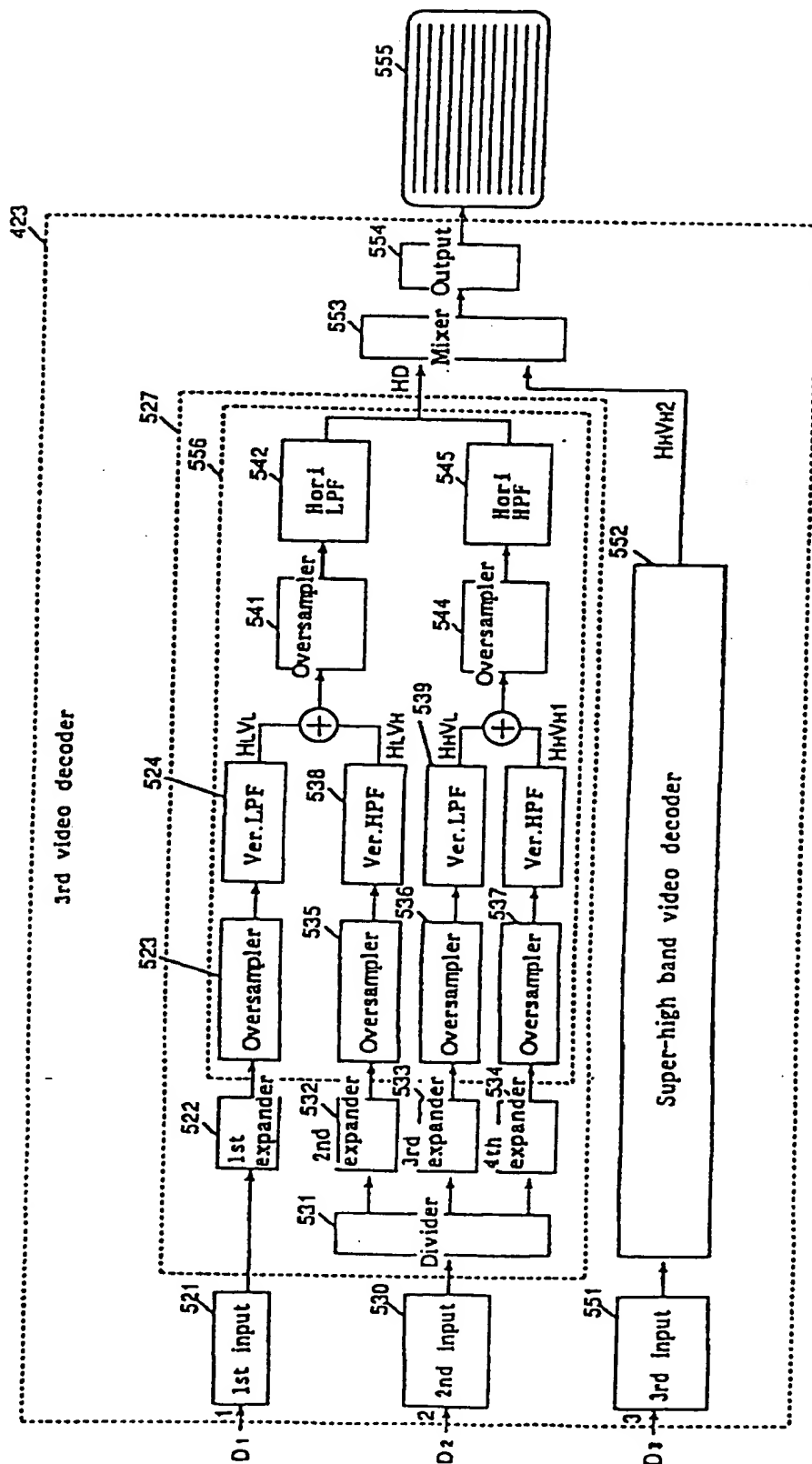
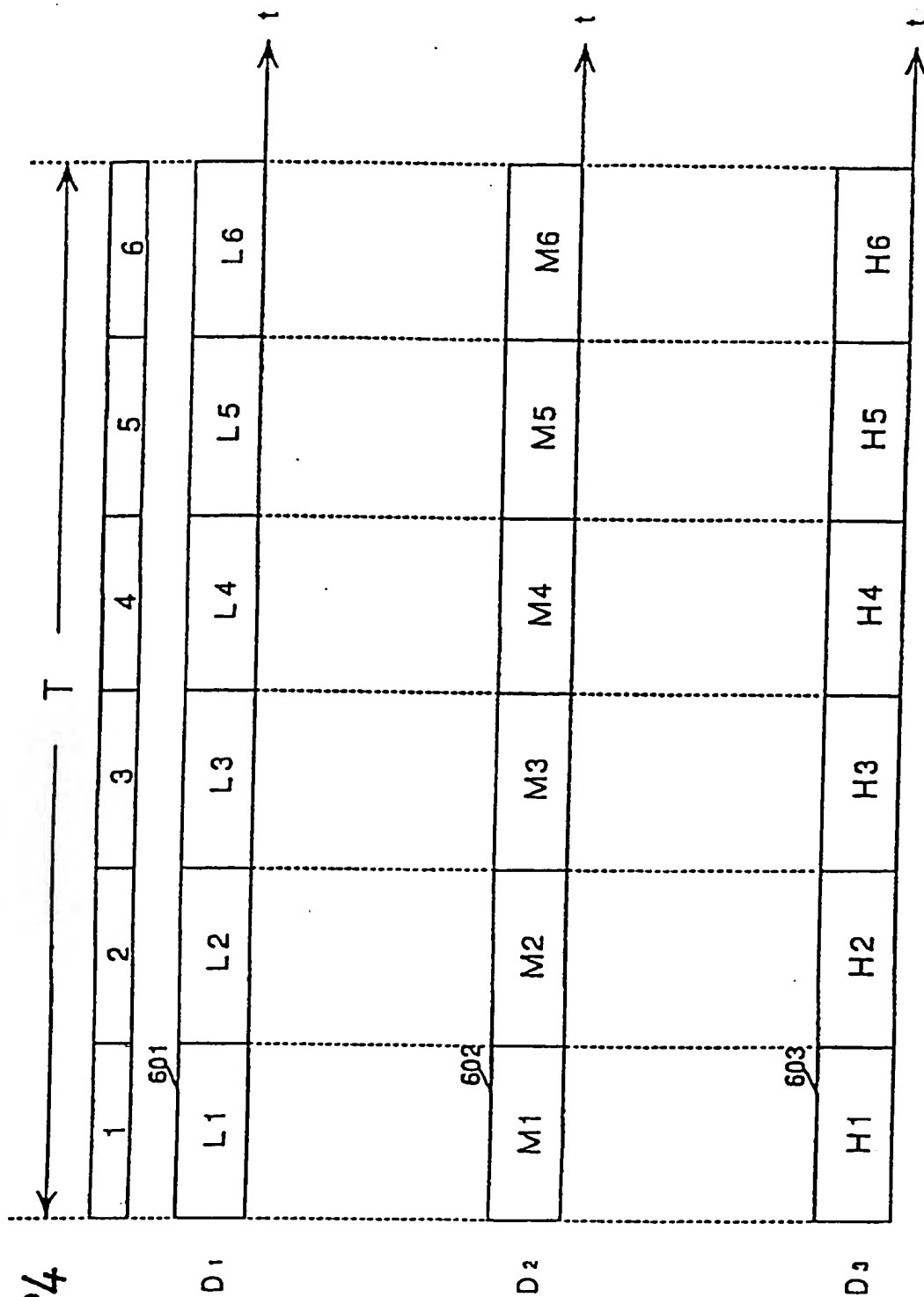


FIG. 34



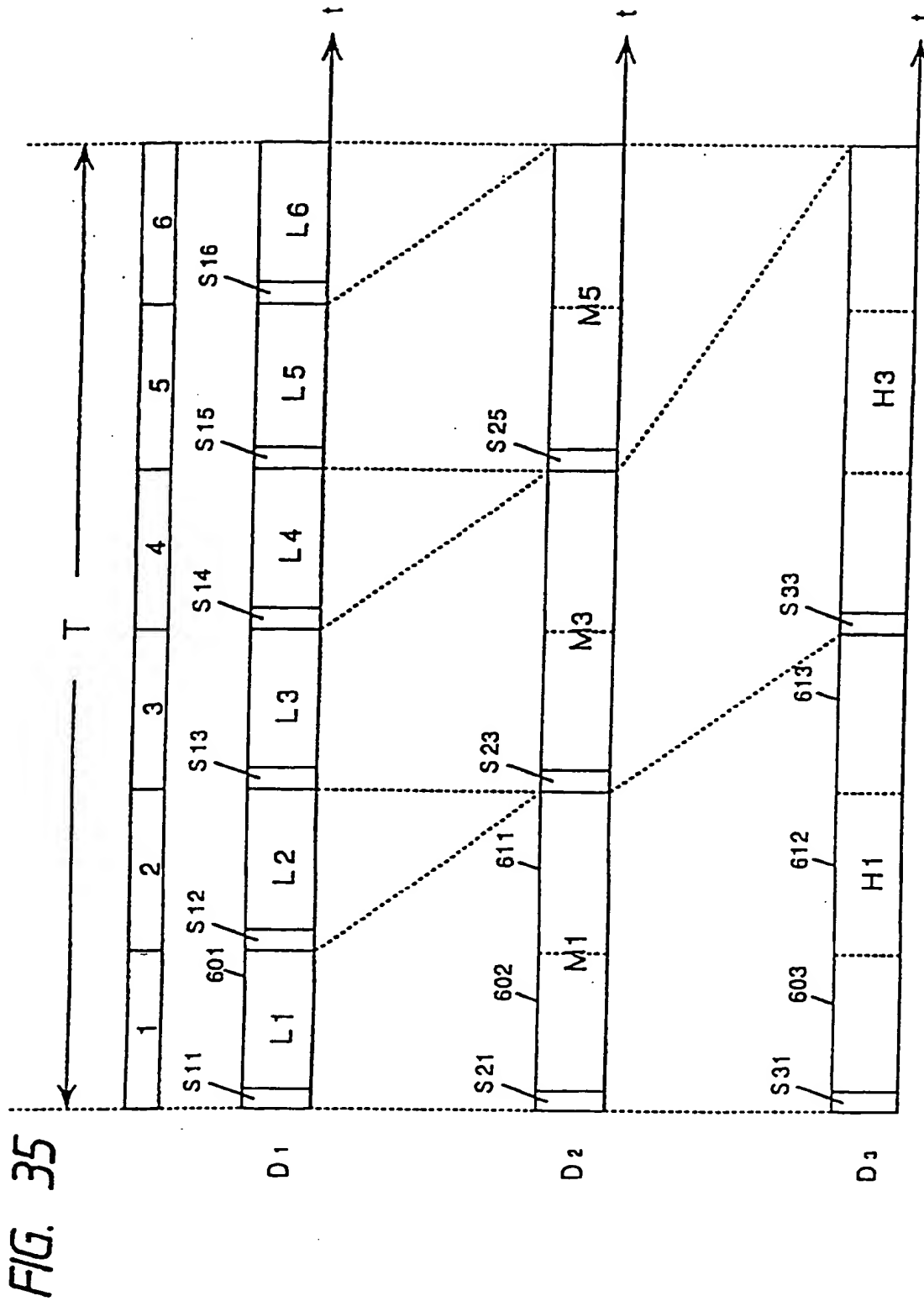


FIG. 36

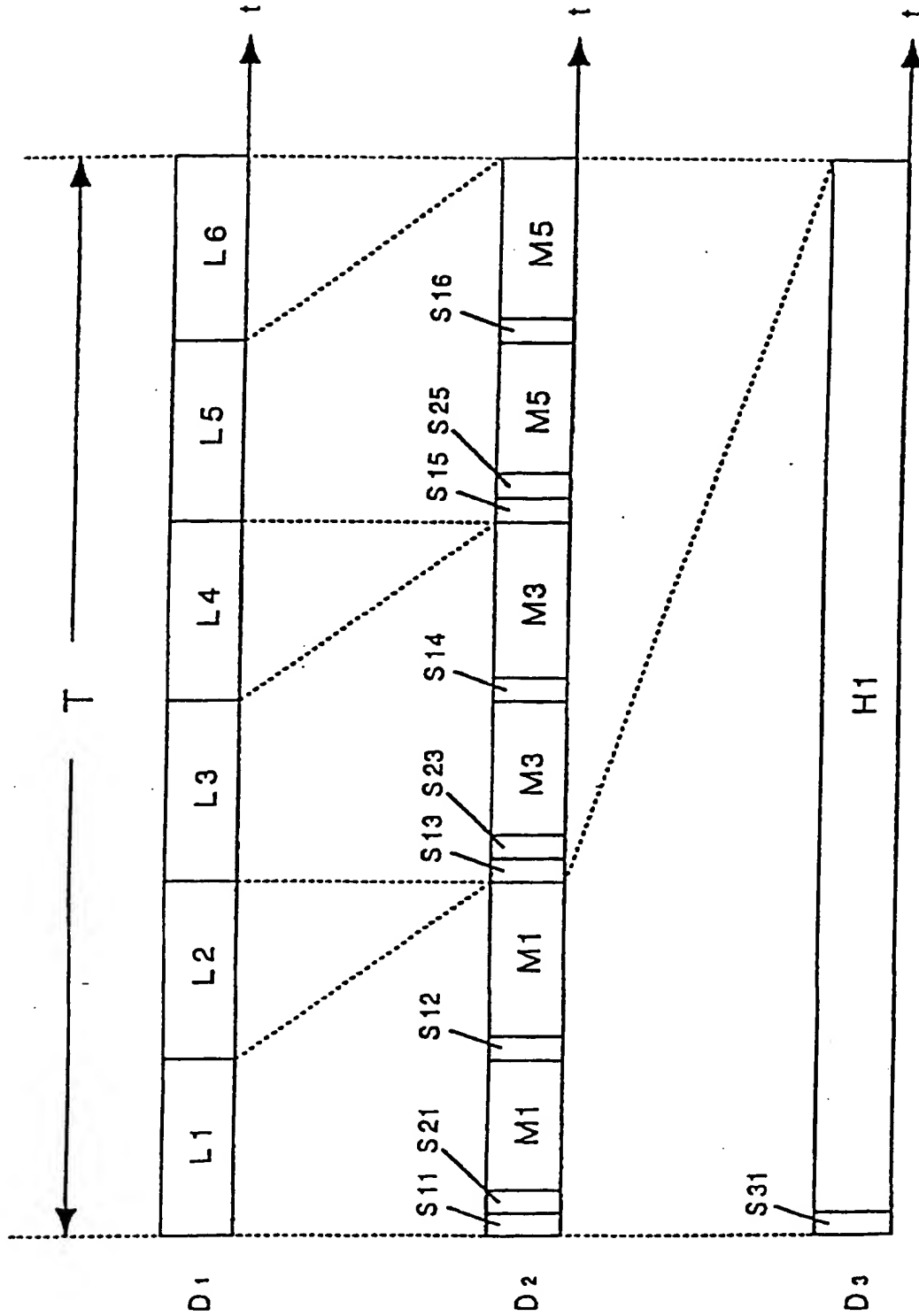




FIG. 37

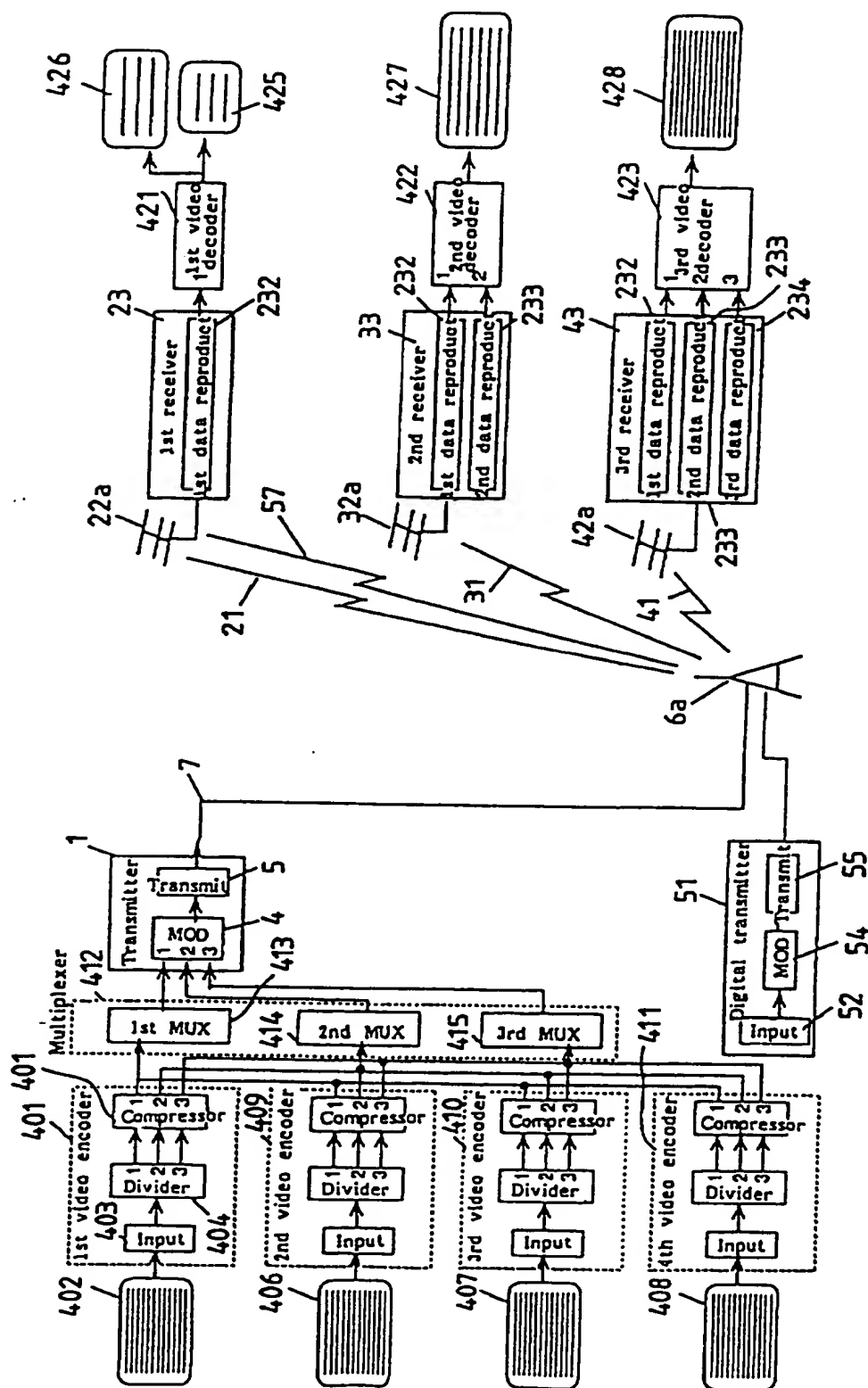
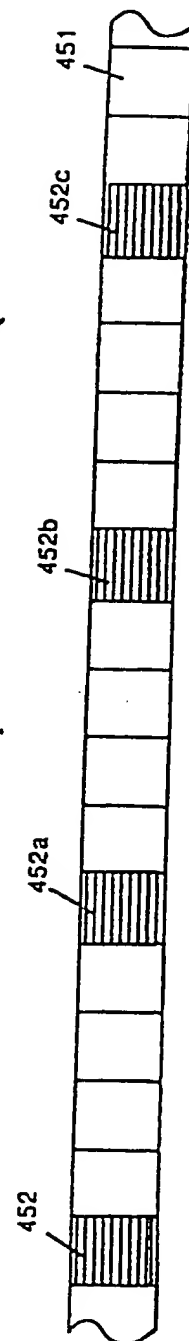
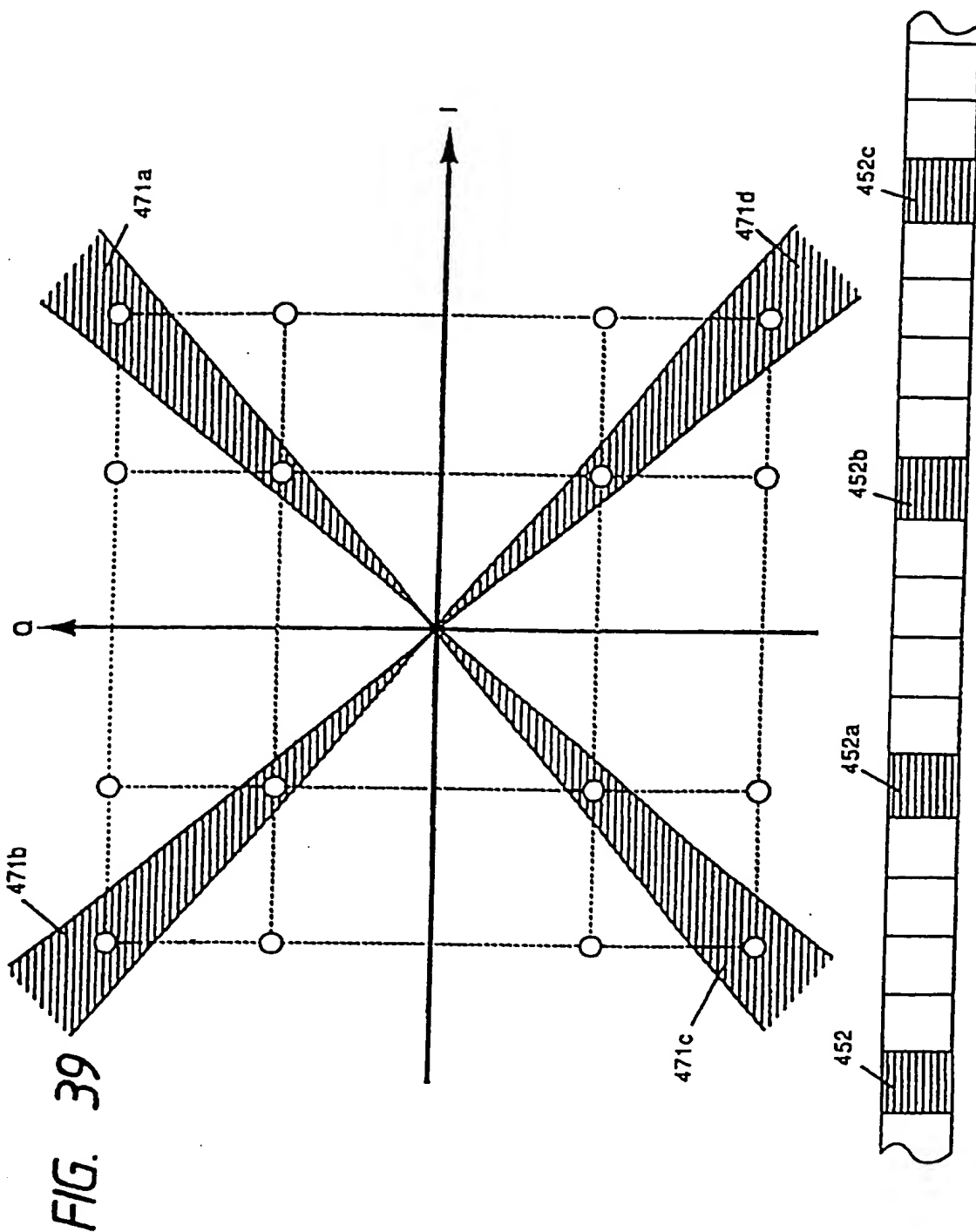
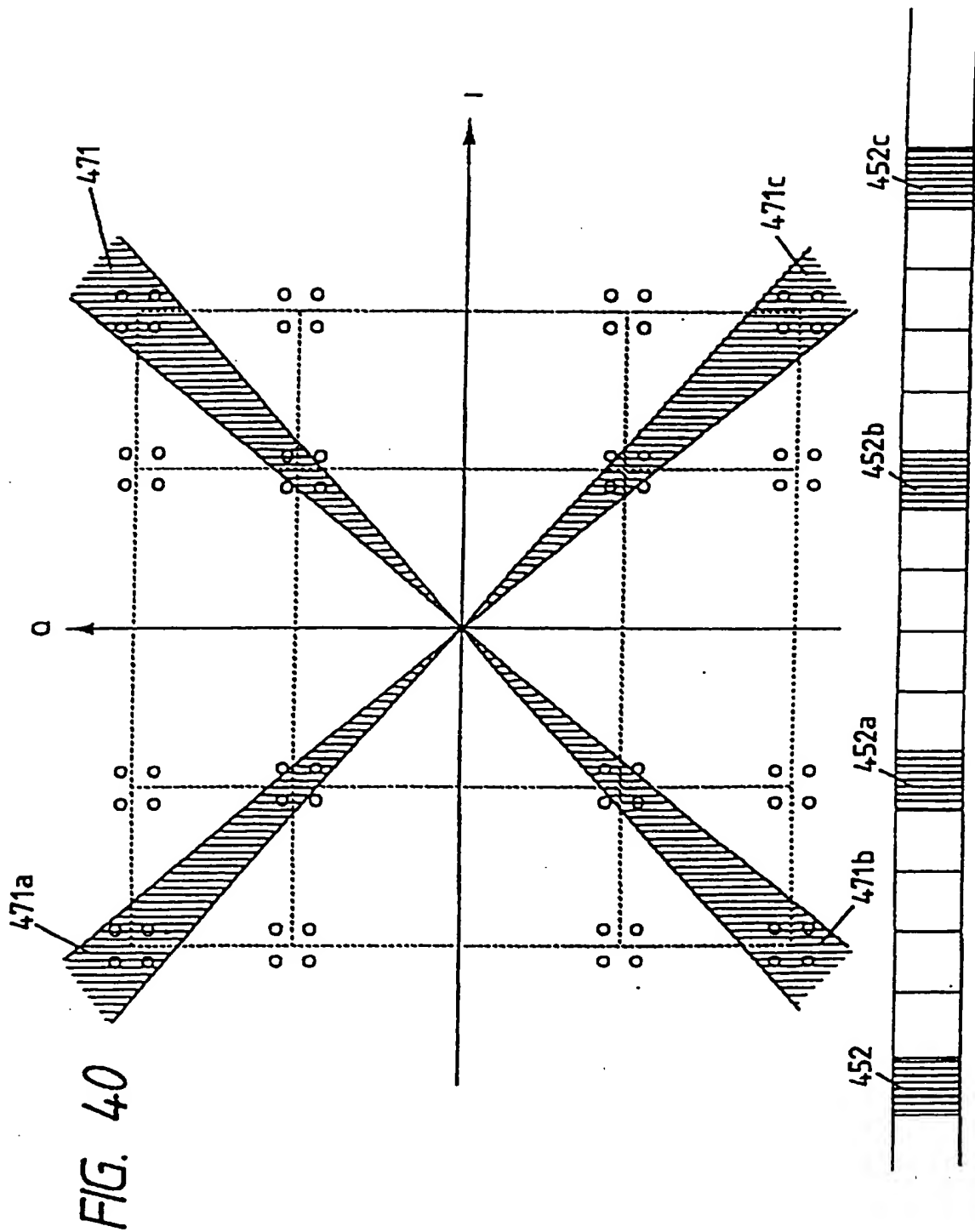


FIG. 38







000001-35007450

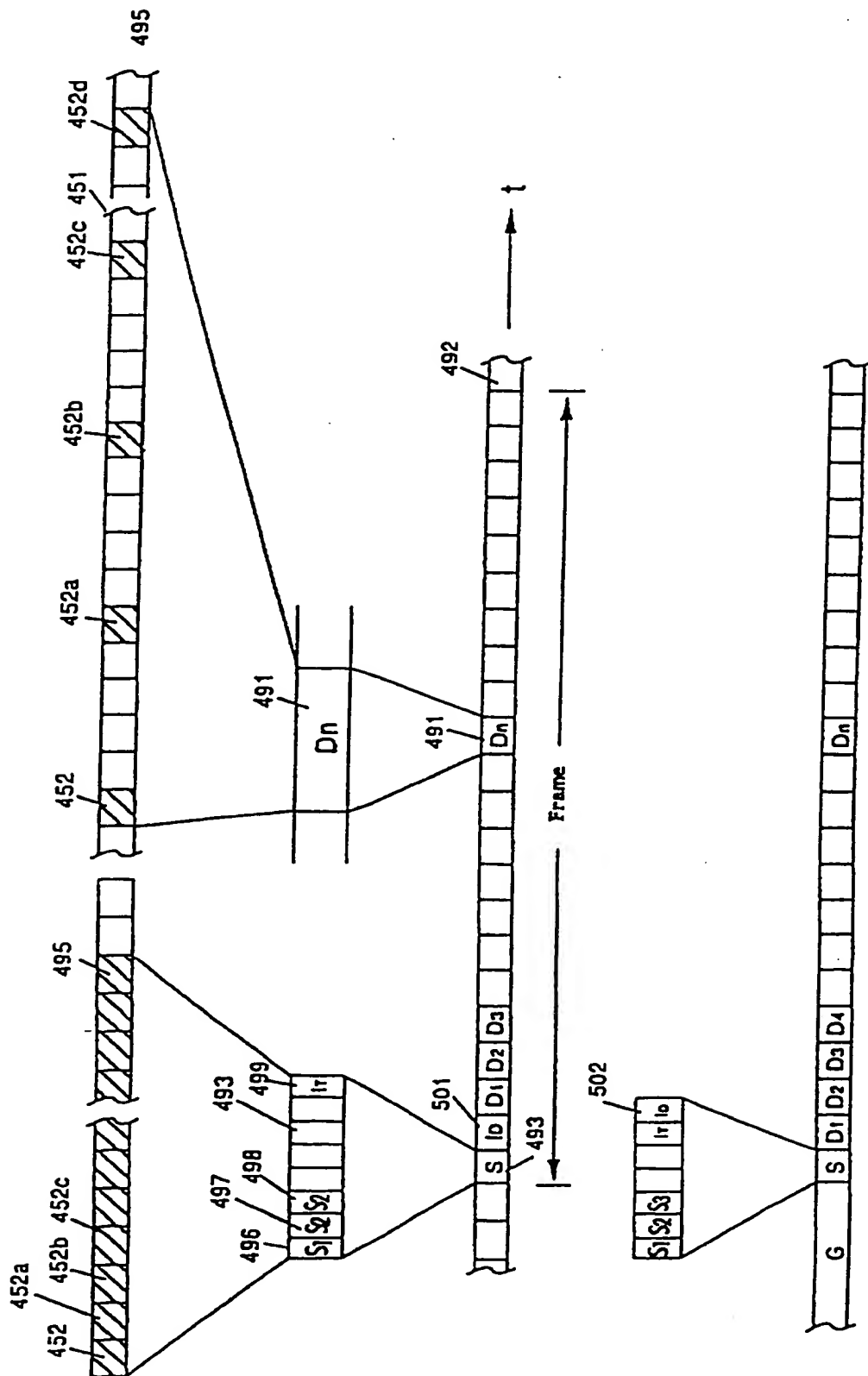


FIG. 42

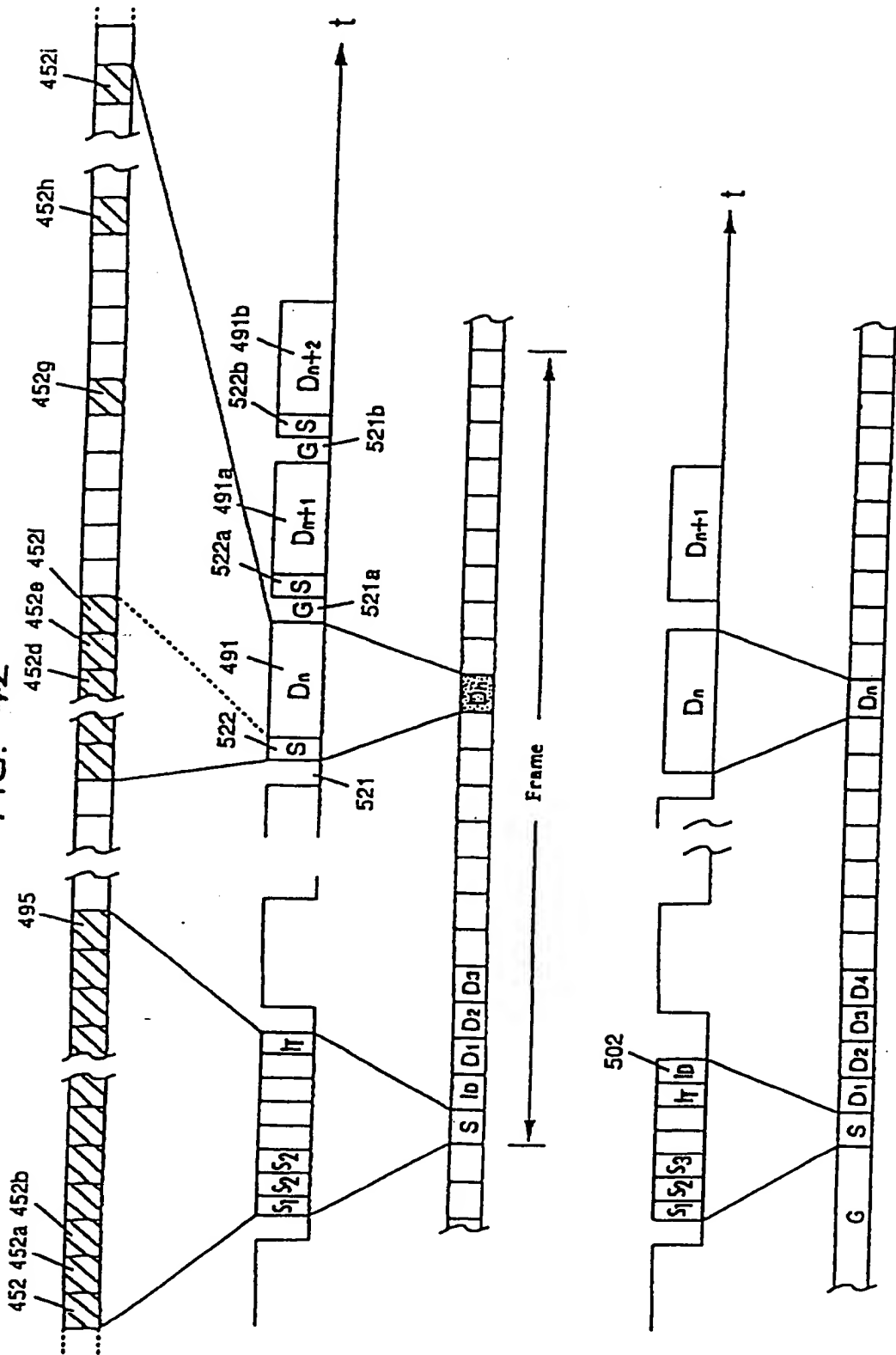
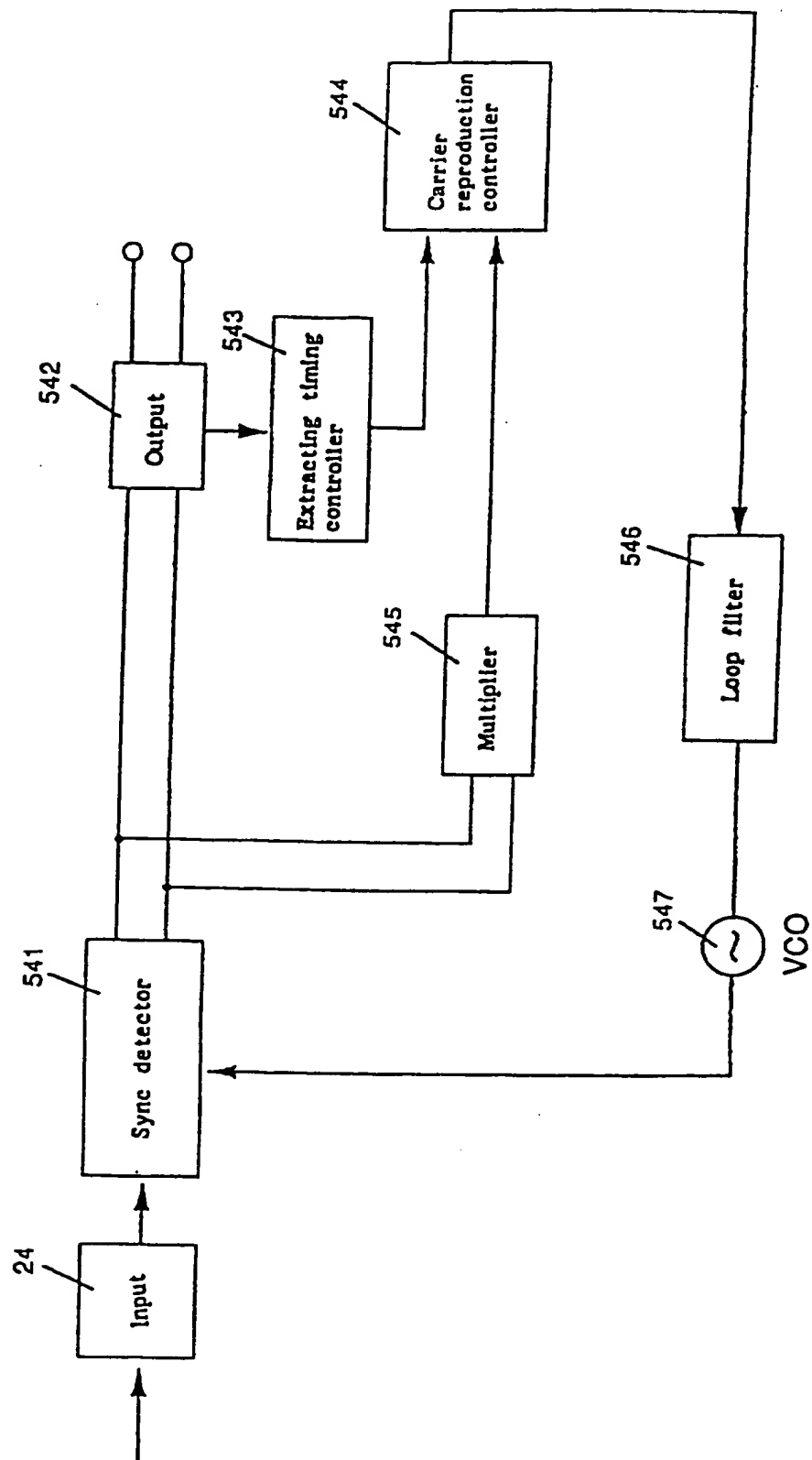


FIG. 43



DocId: 33004260

FIG. 44

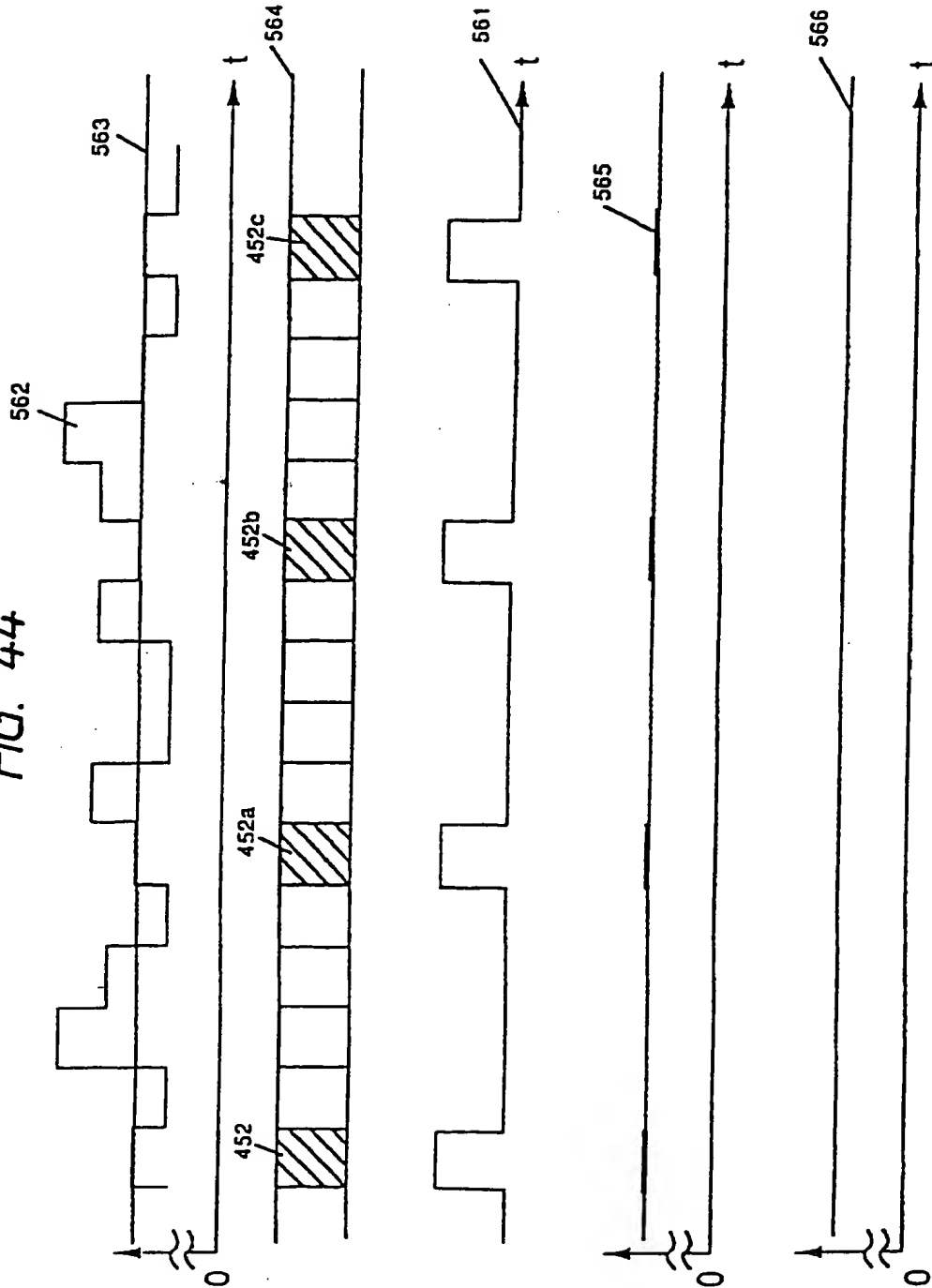
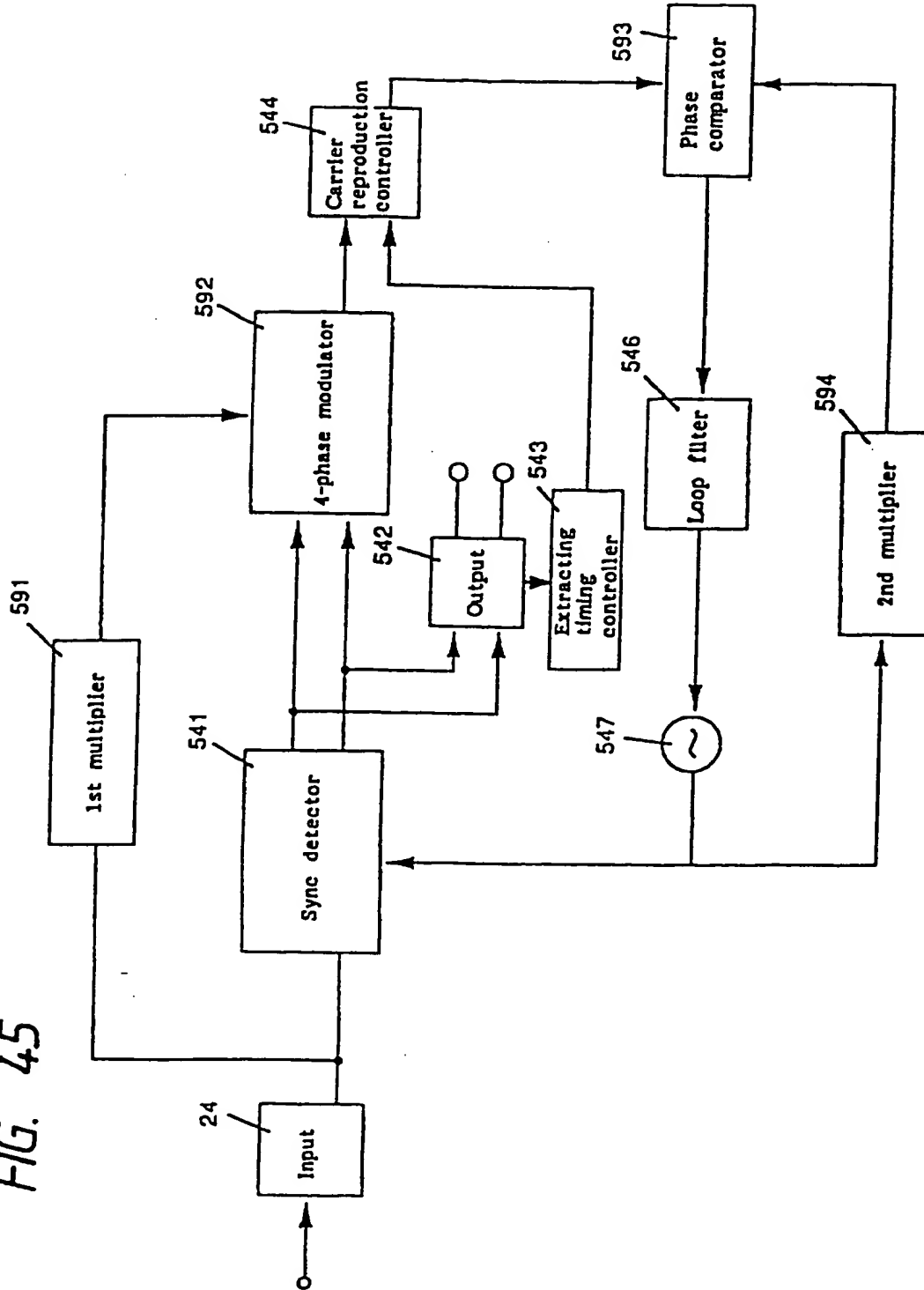




FIG. 45



DocId: 33007260

FIG. 46

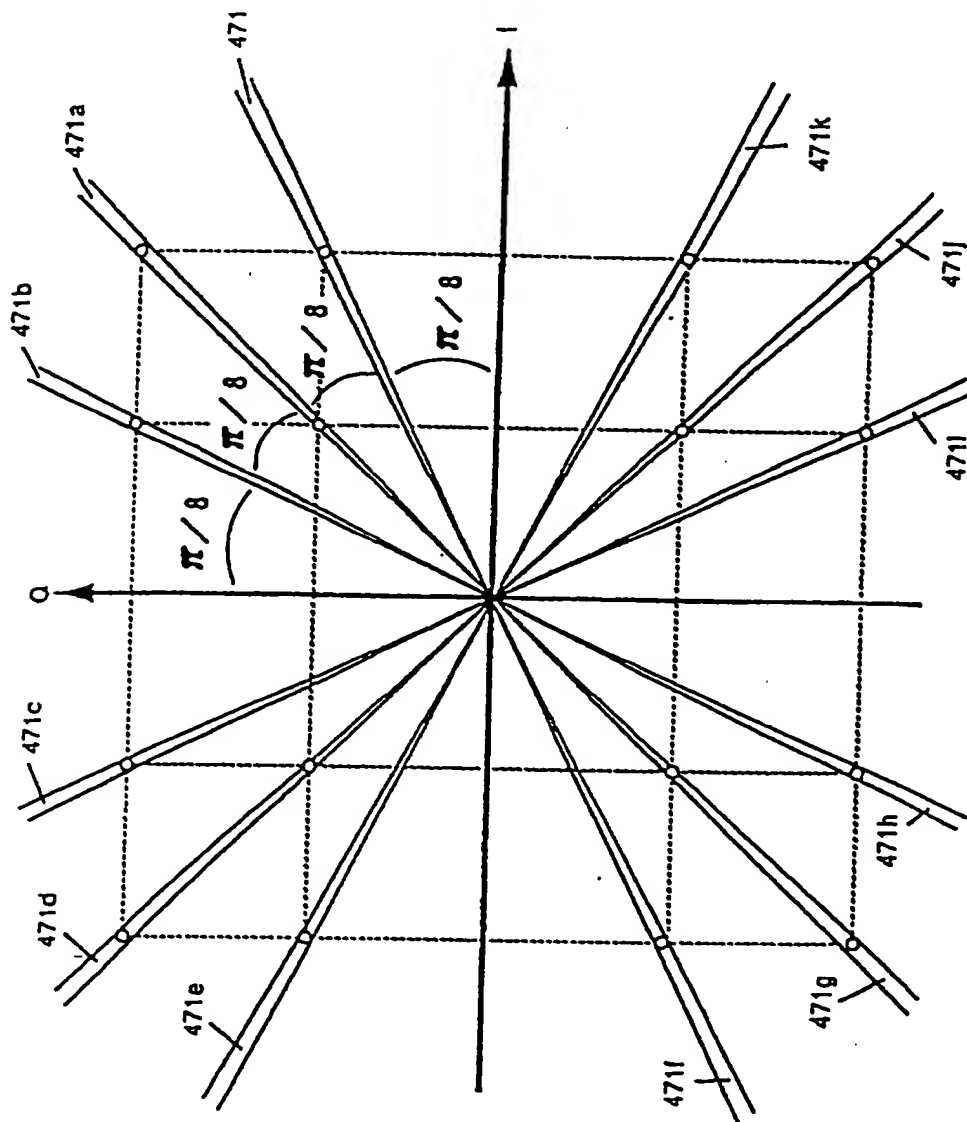


FIG. 47

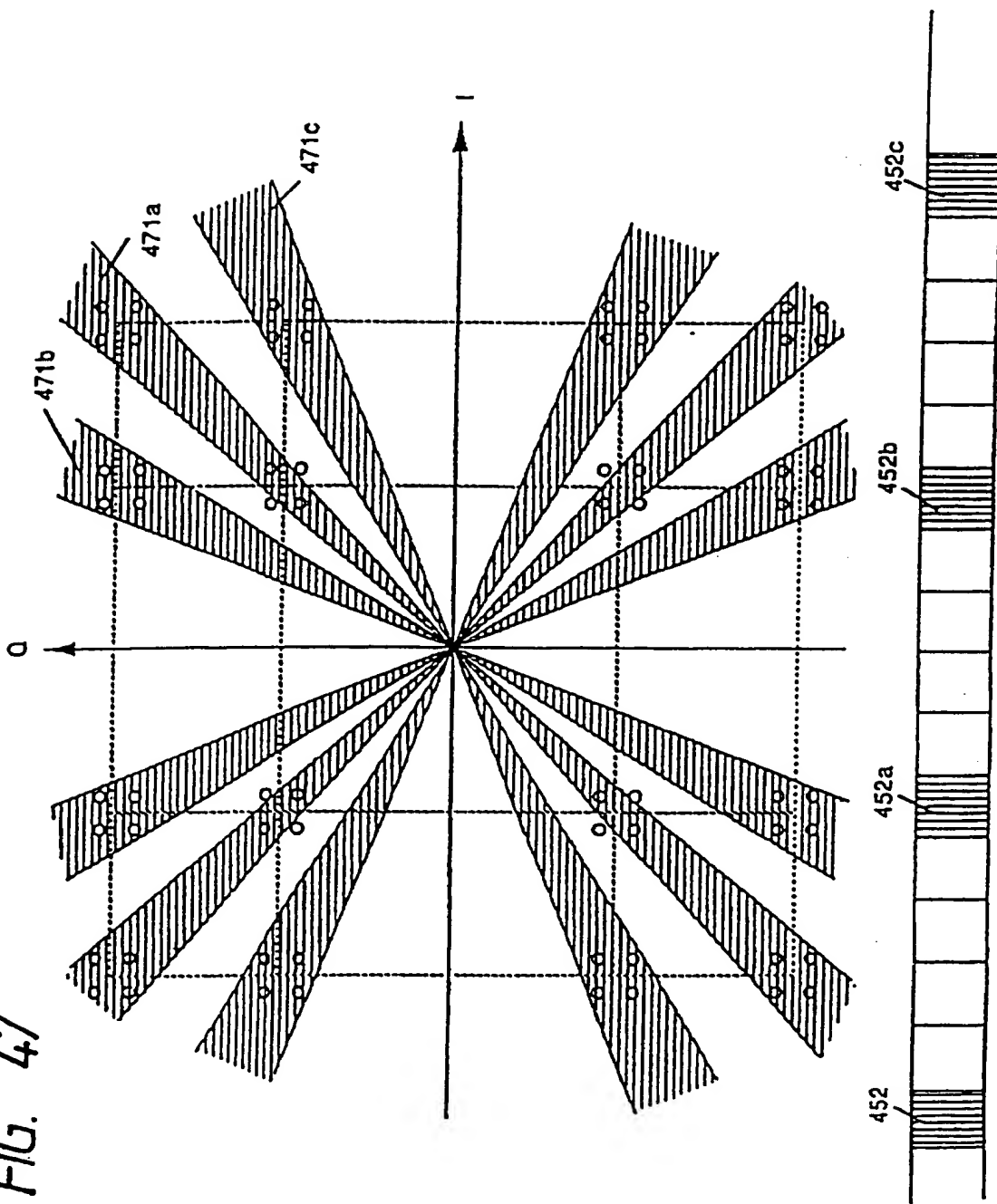
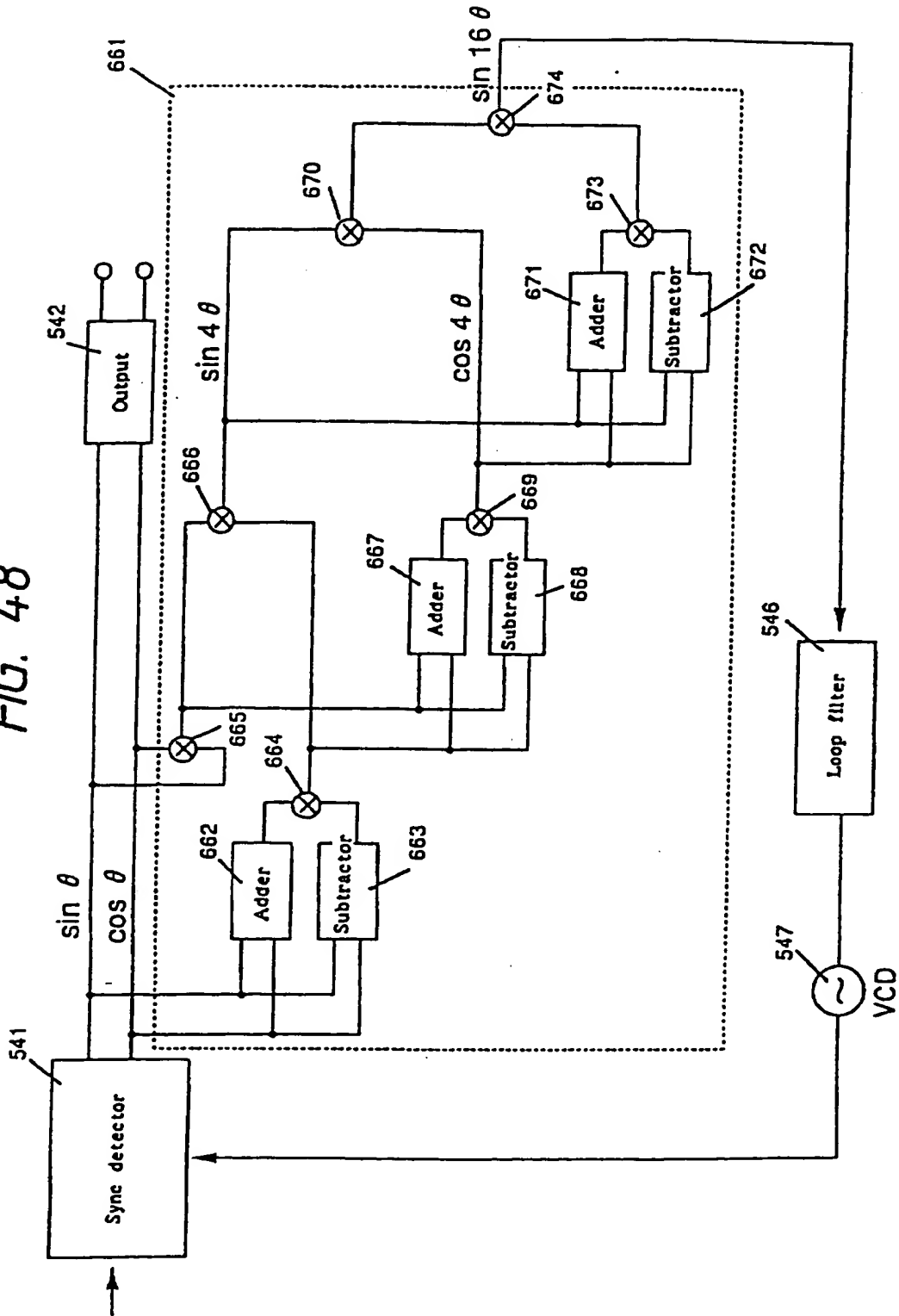


FIG. 48



U.S. Pat. 5,802,241

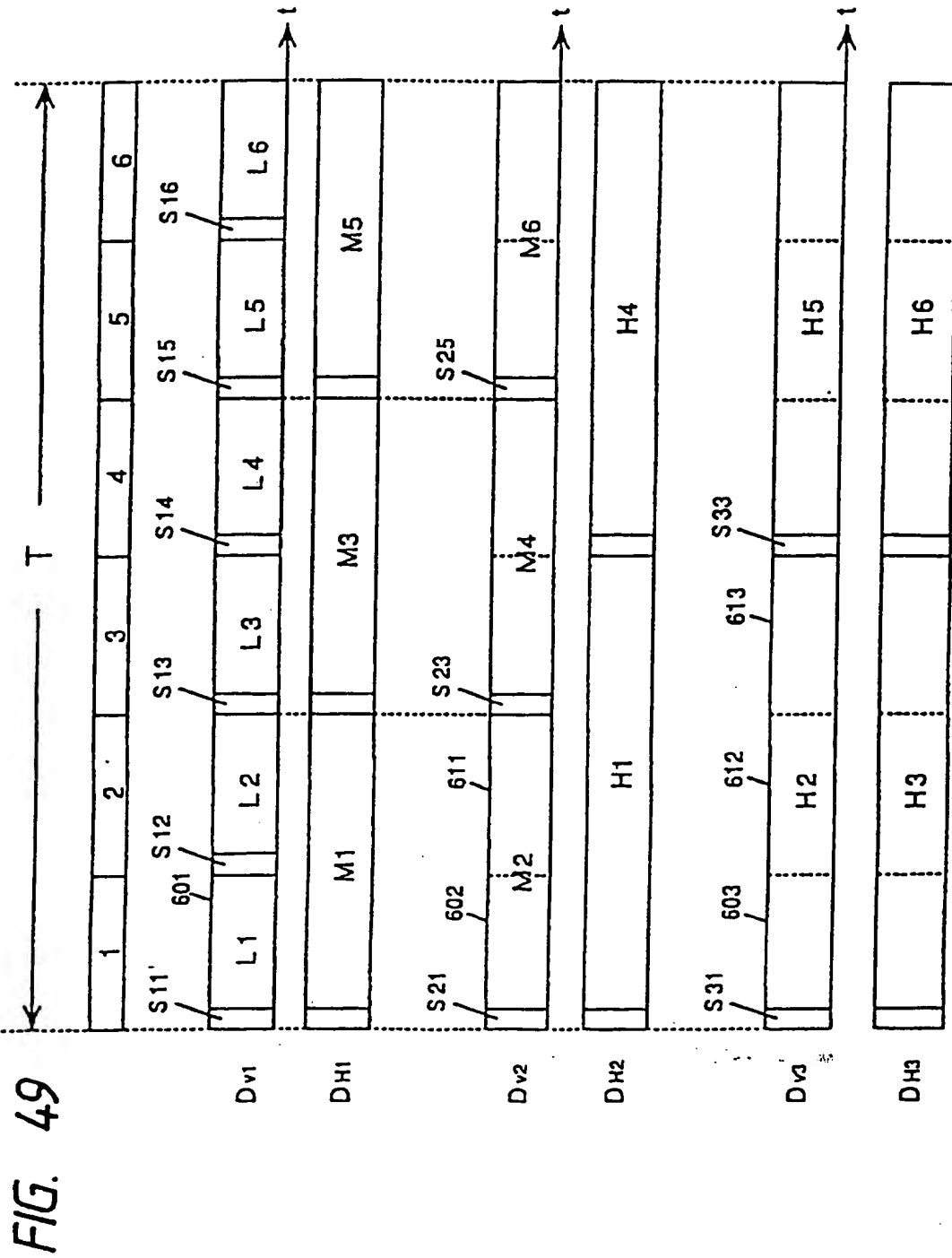


FIG. 50

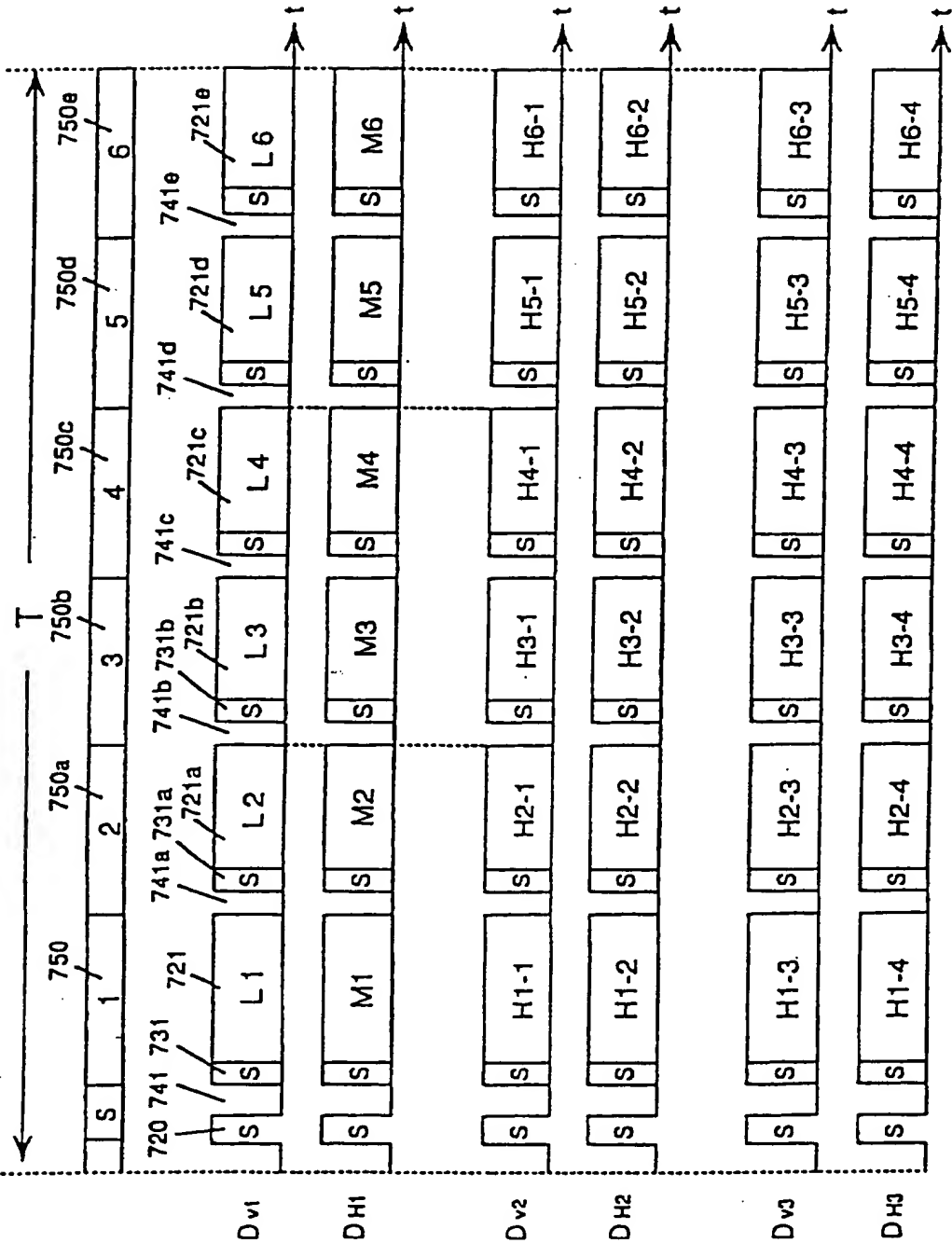


FIG. 51

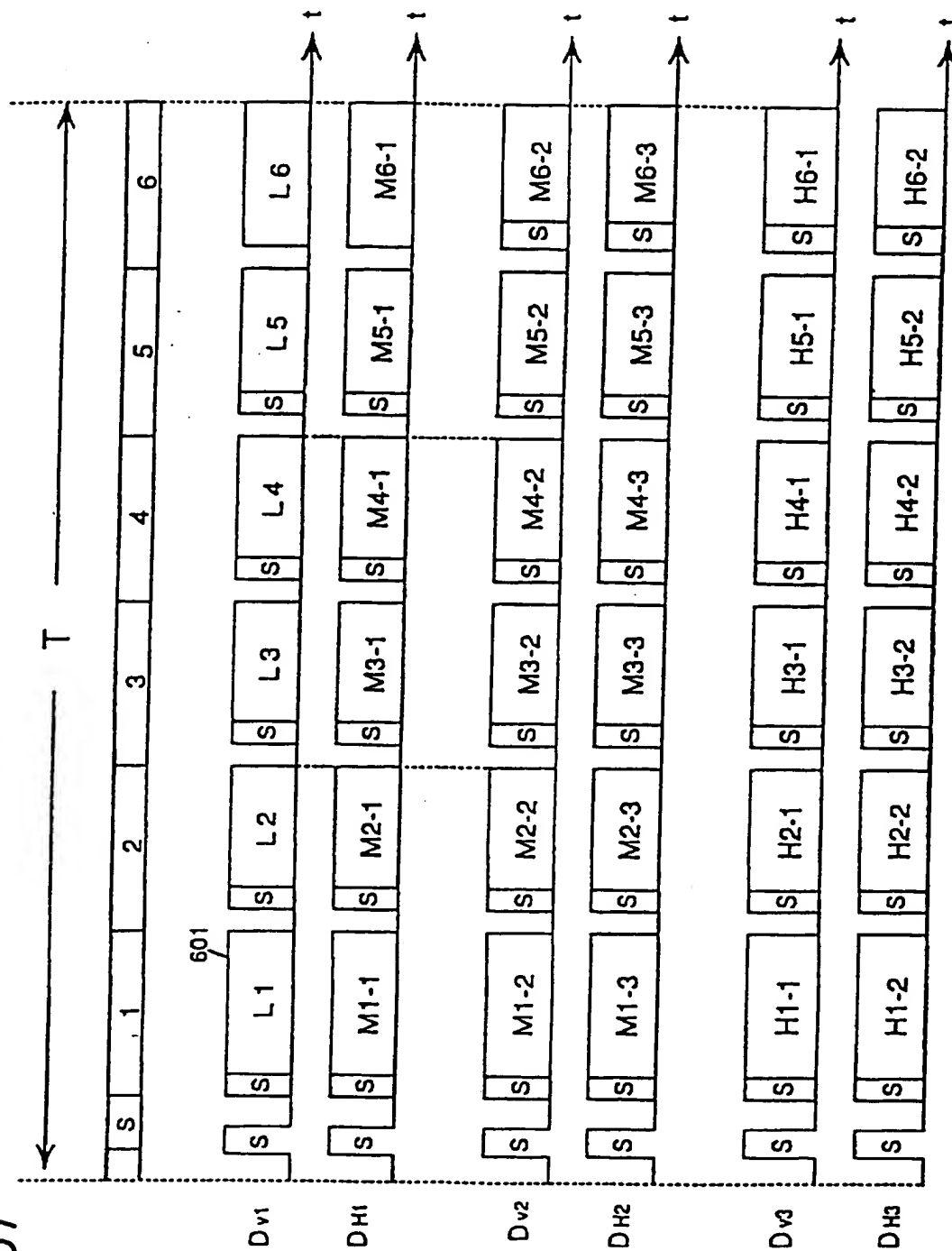
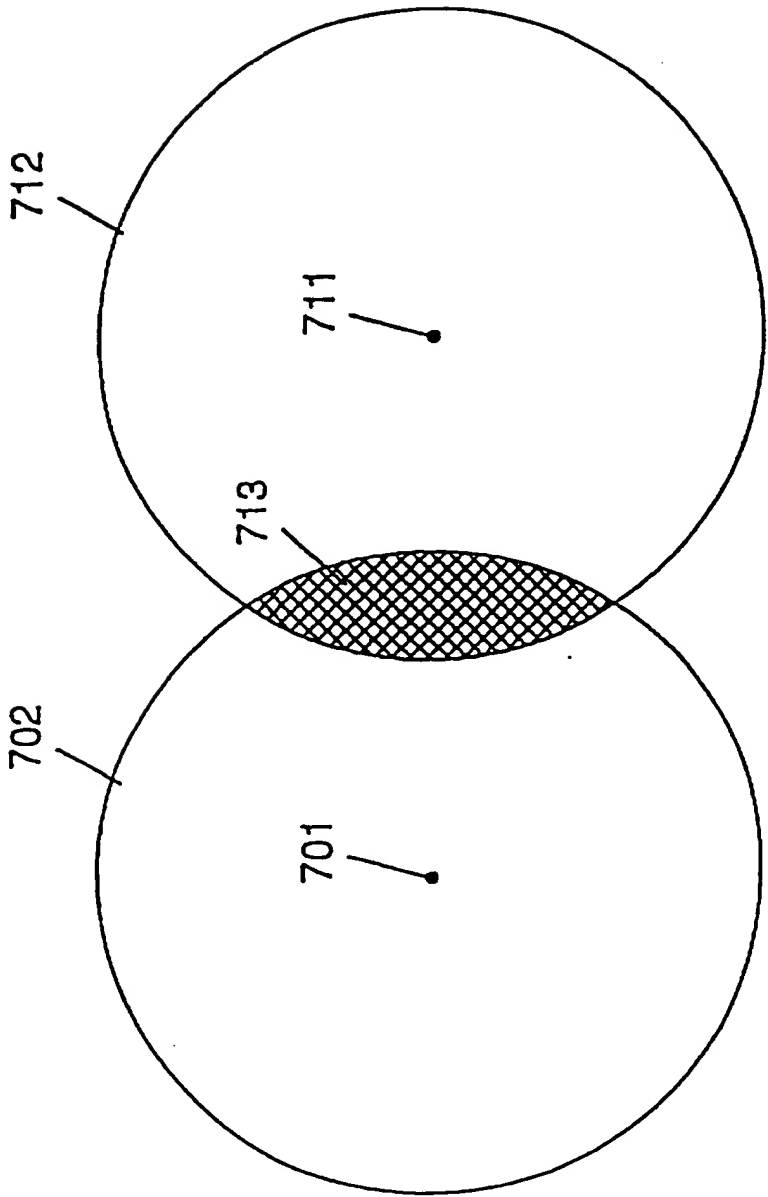


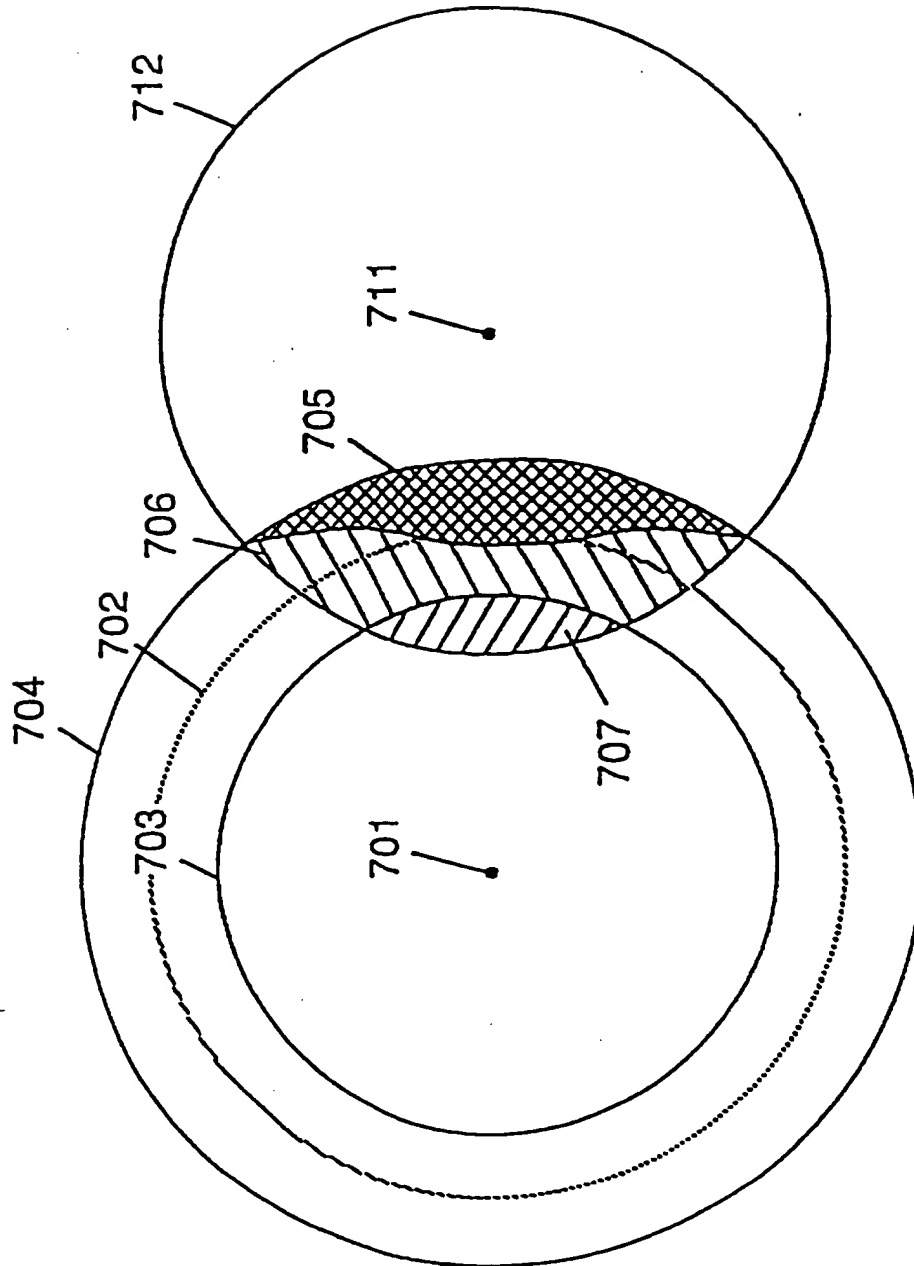
FIG. 52



000227-890074.00



FIG. 53



000227-39007450

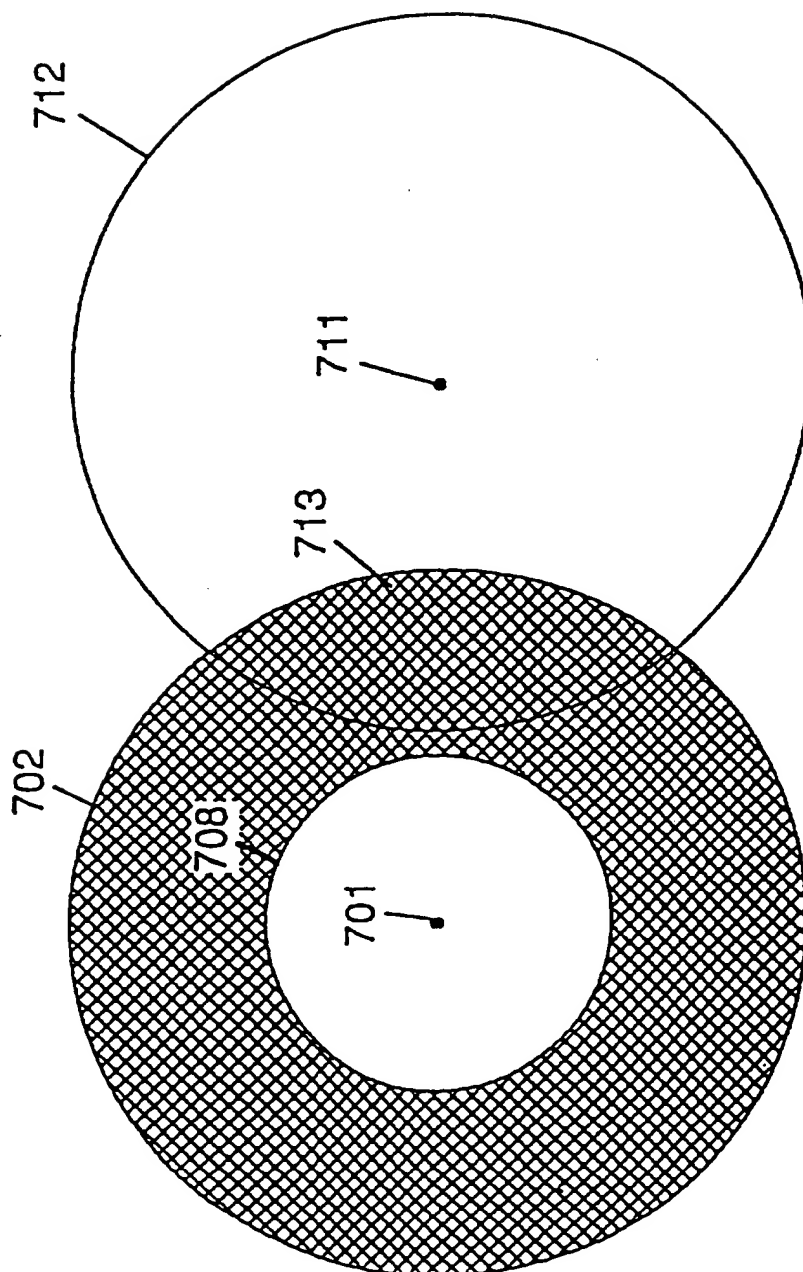
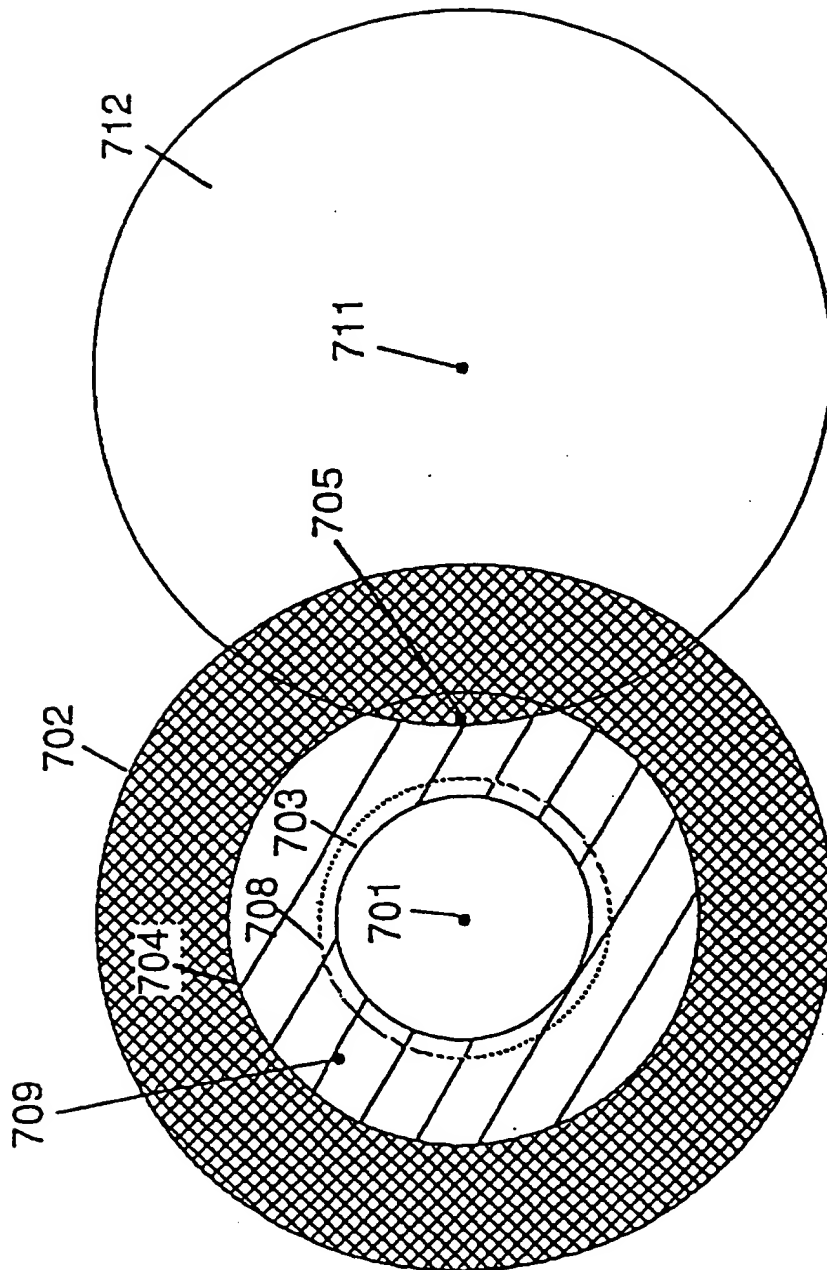
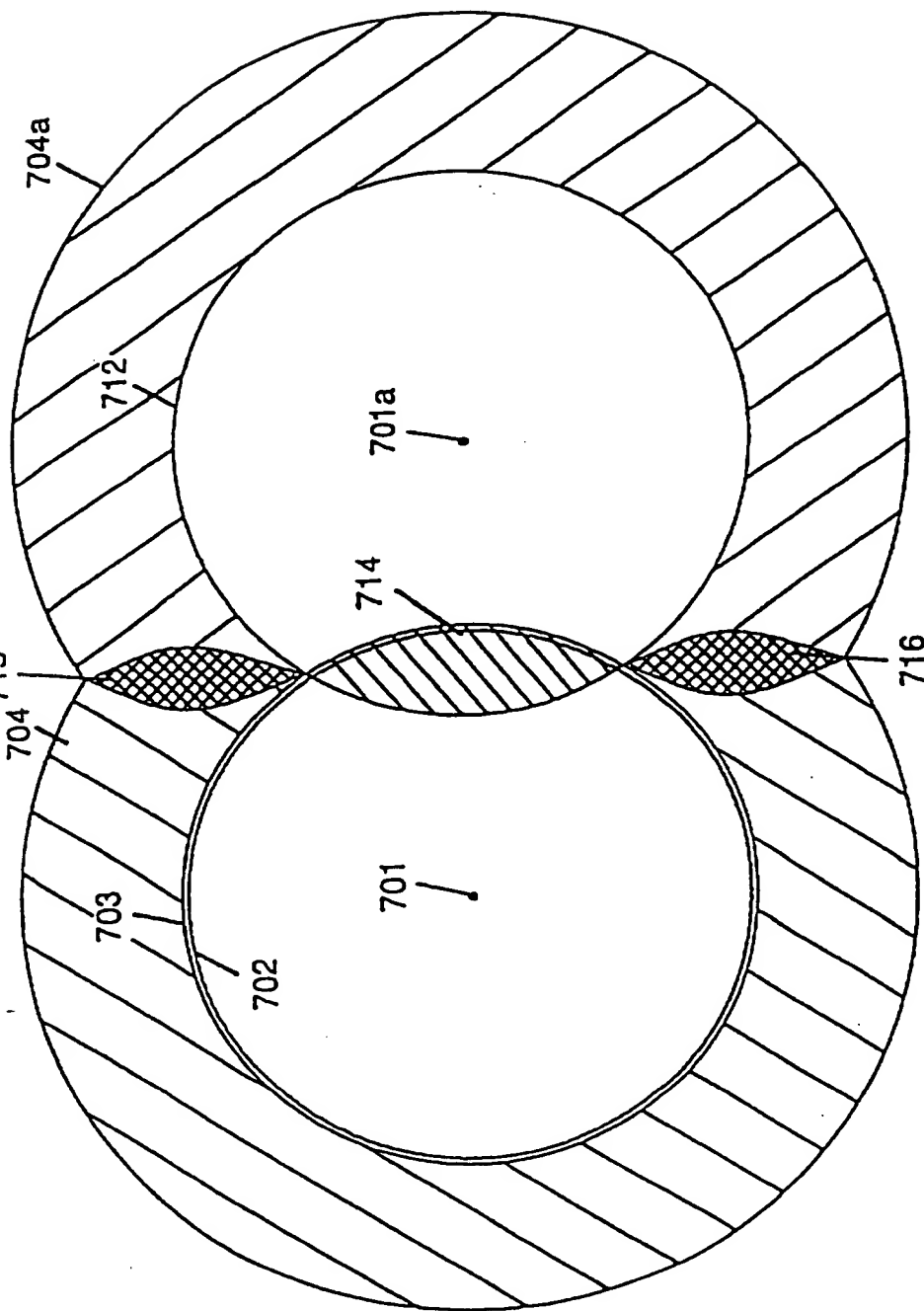


FIG. 55



000221-89007260

FIG. 56



Object = 8900h260

[illegible]

FIG. 57

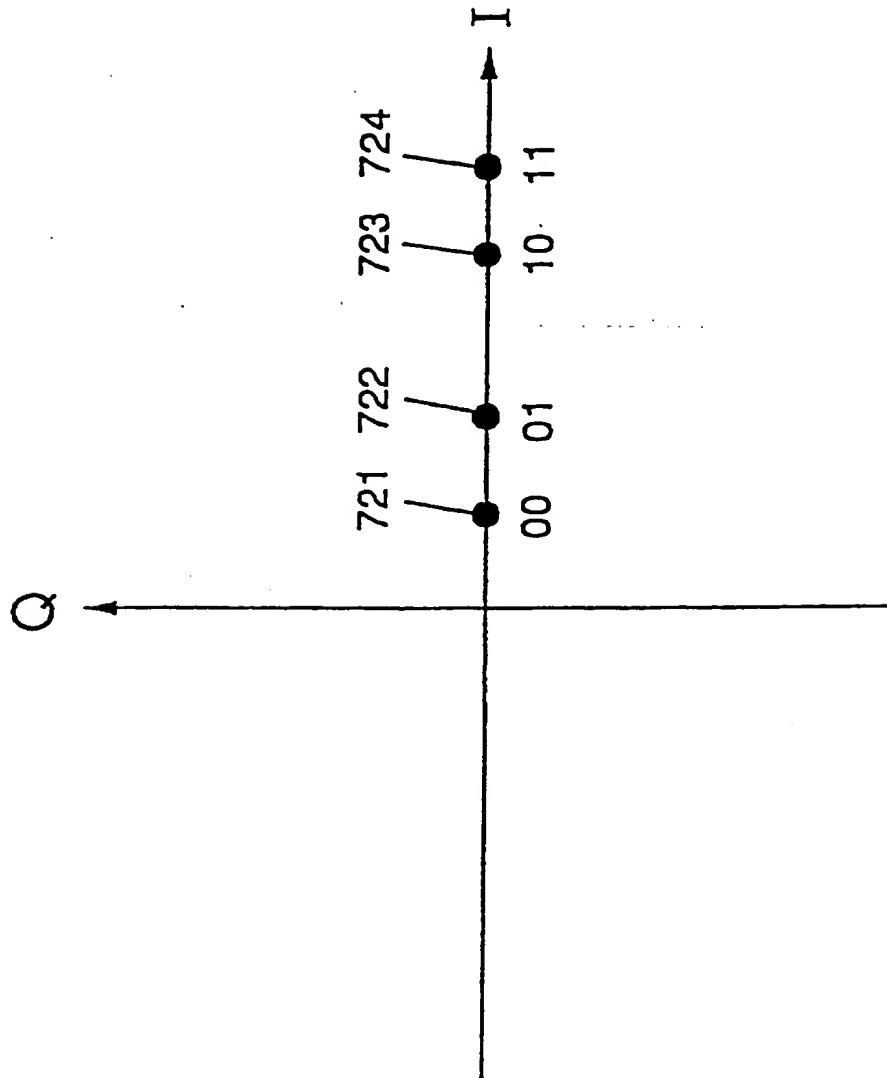
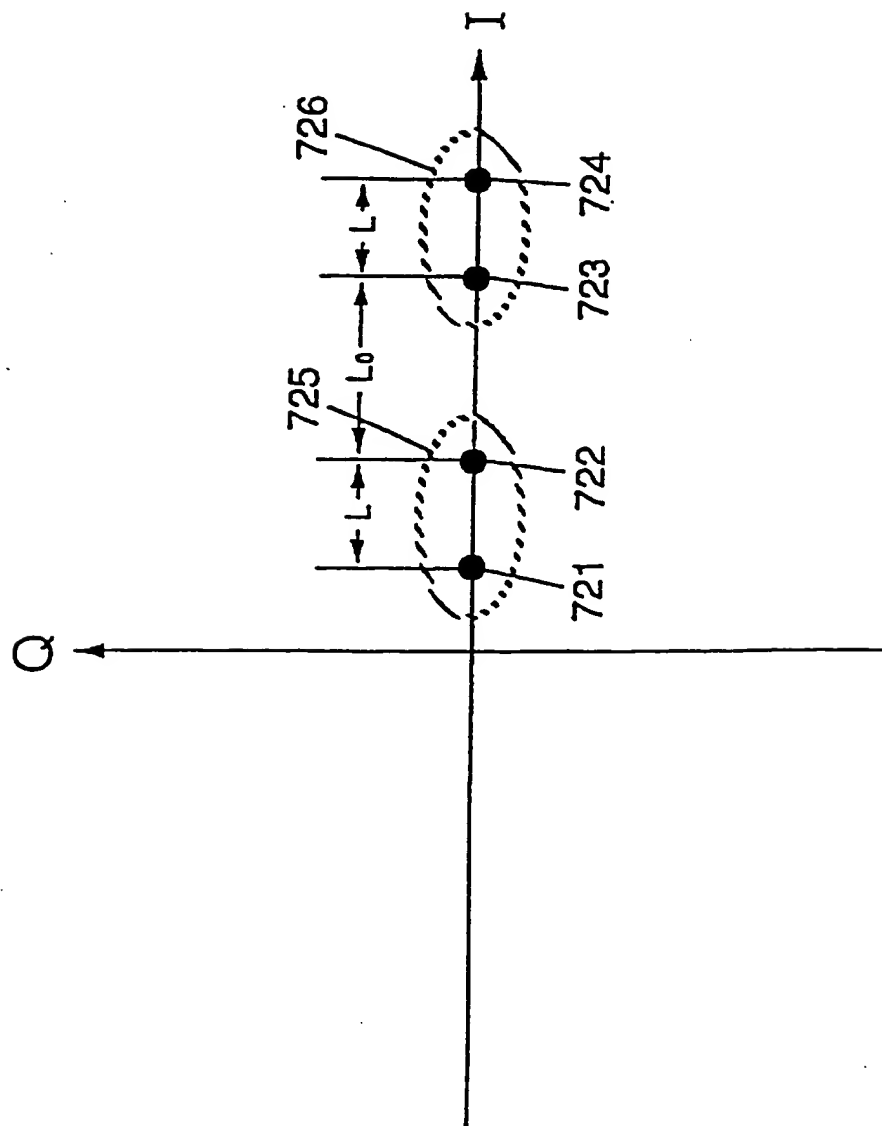


FIG. 58



00027-89004260

FIG. 59(a)

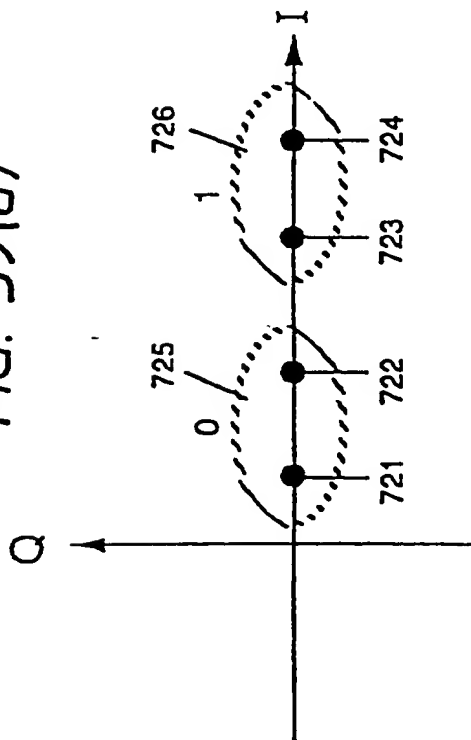


FIG. 59(c)

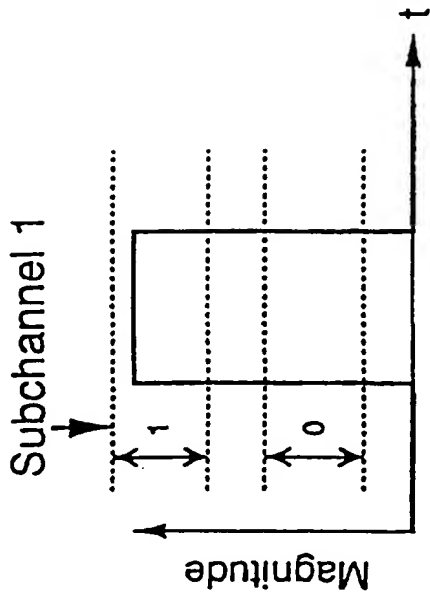


FIG. 59(b)

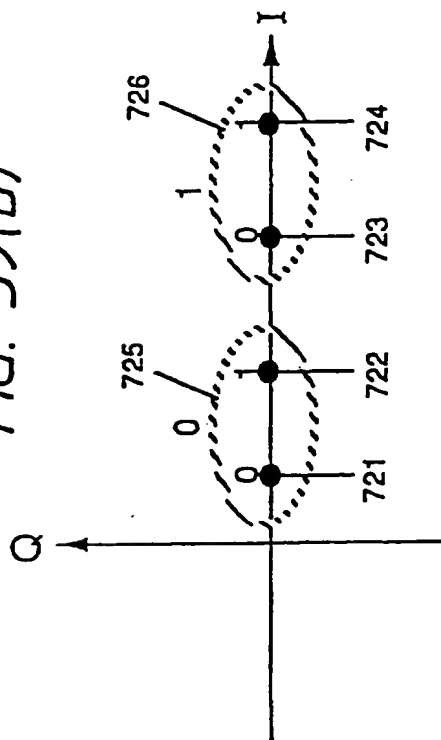
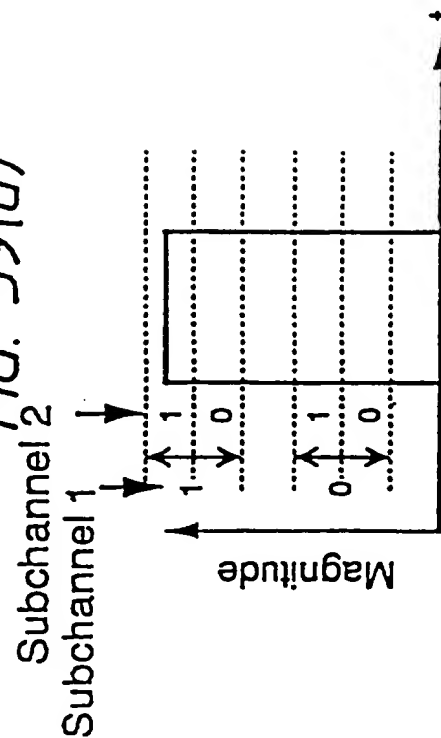
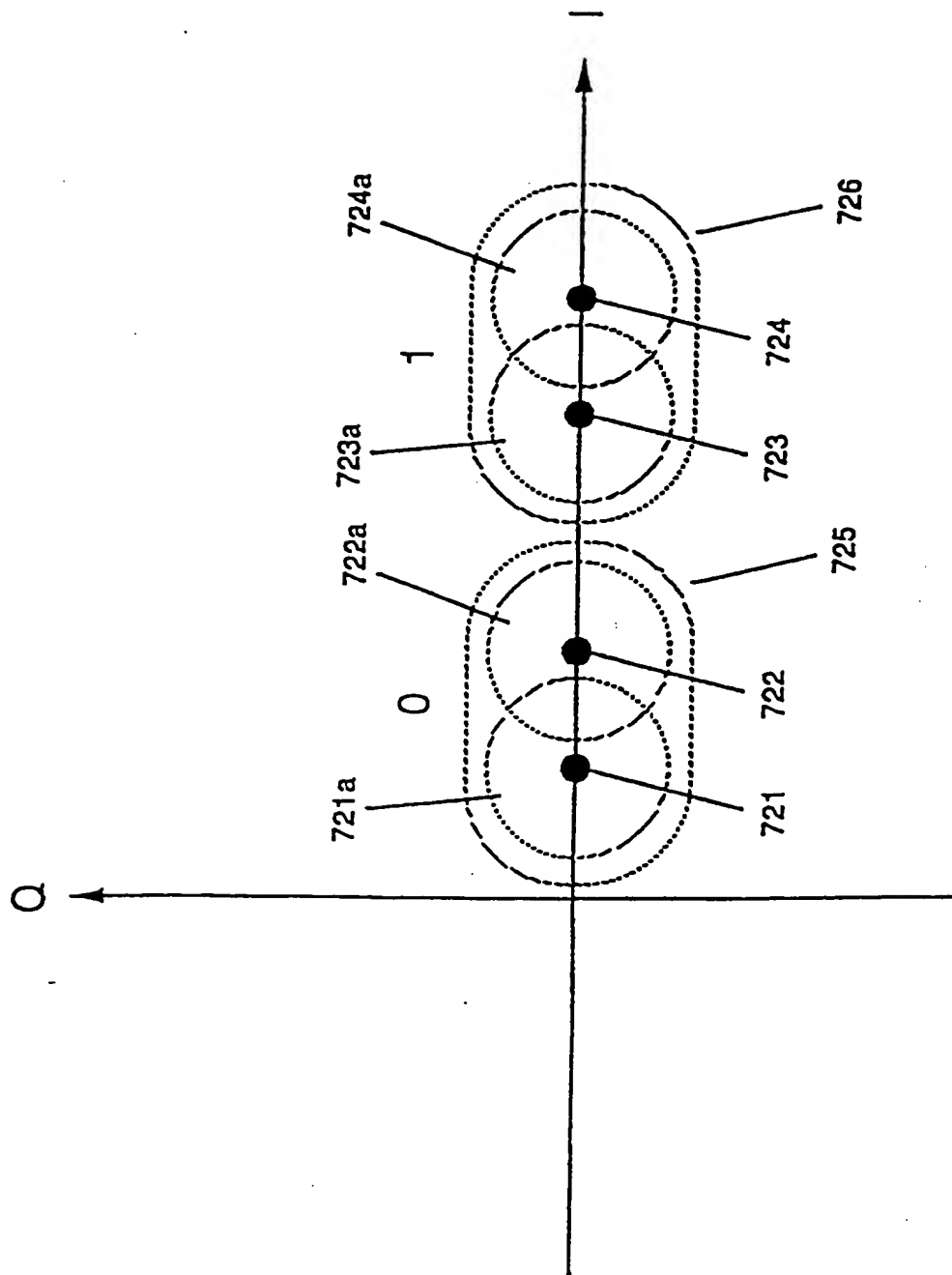


FIG. 59(d)



000227-80041260

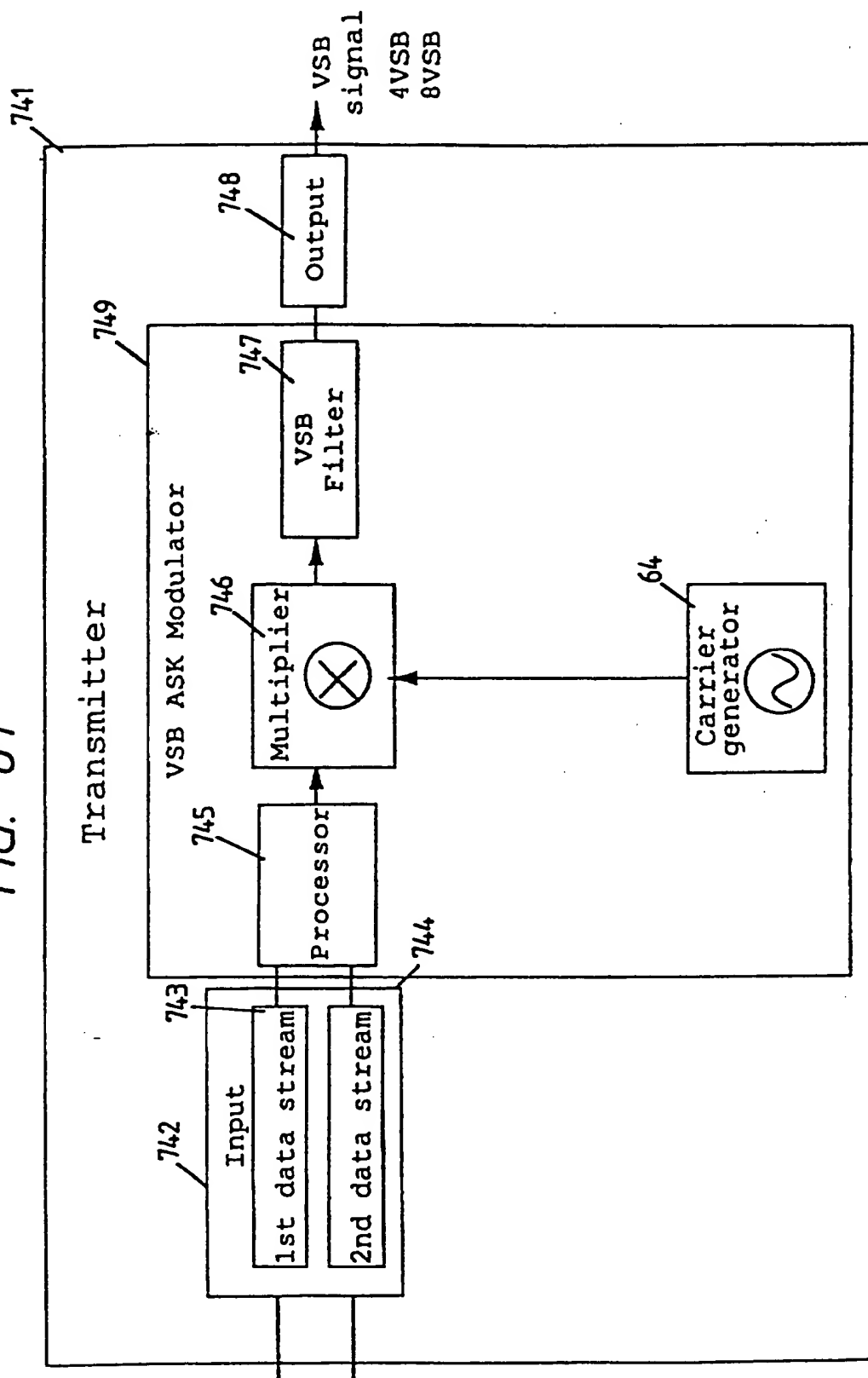
FIG. 60



Sheet 60 of 174



FIG. 61



000001-890011260

FIG. 62(a)

Spectrum of ASK Signal

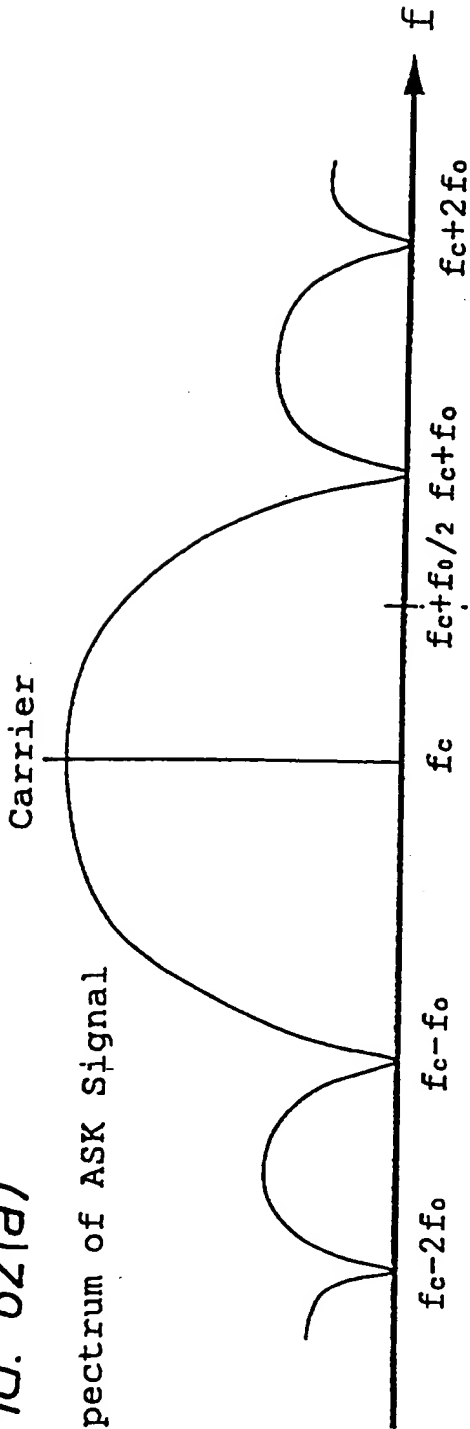
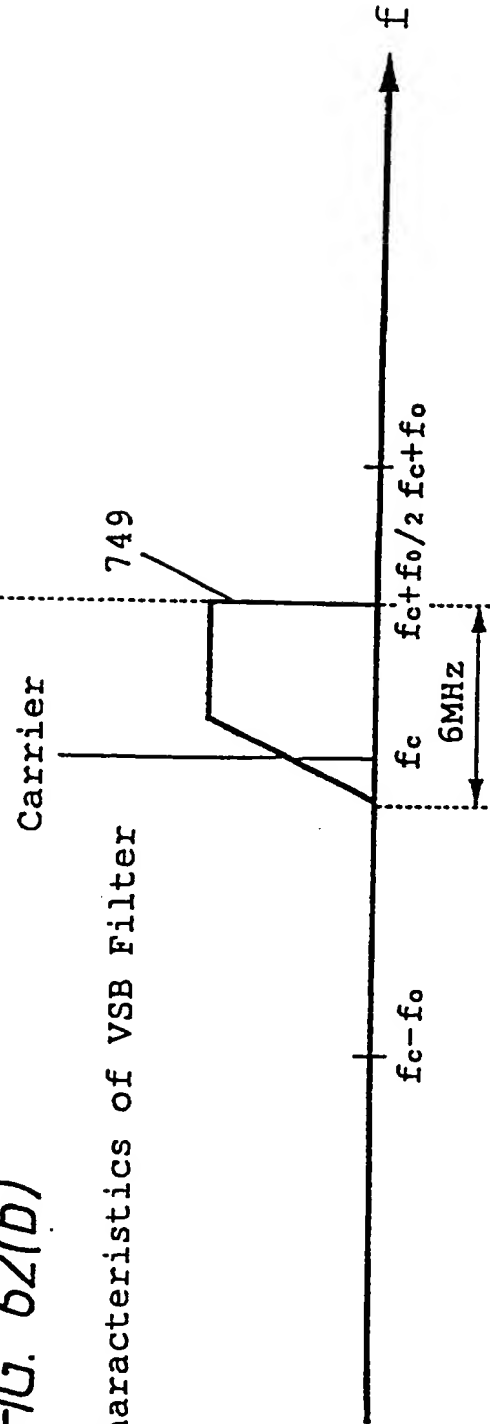


FIG. 62(b)

Characteristics of VSB Filter



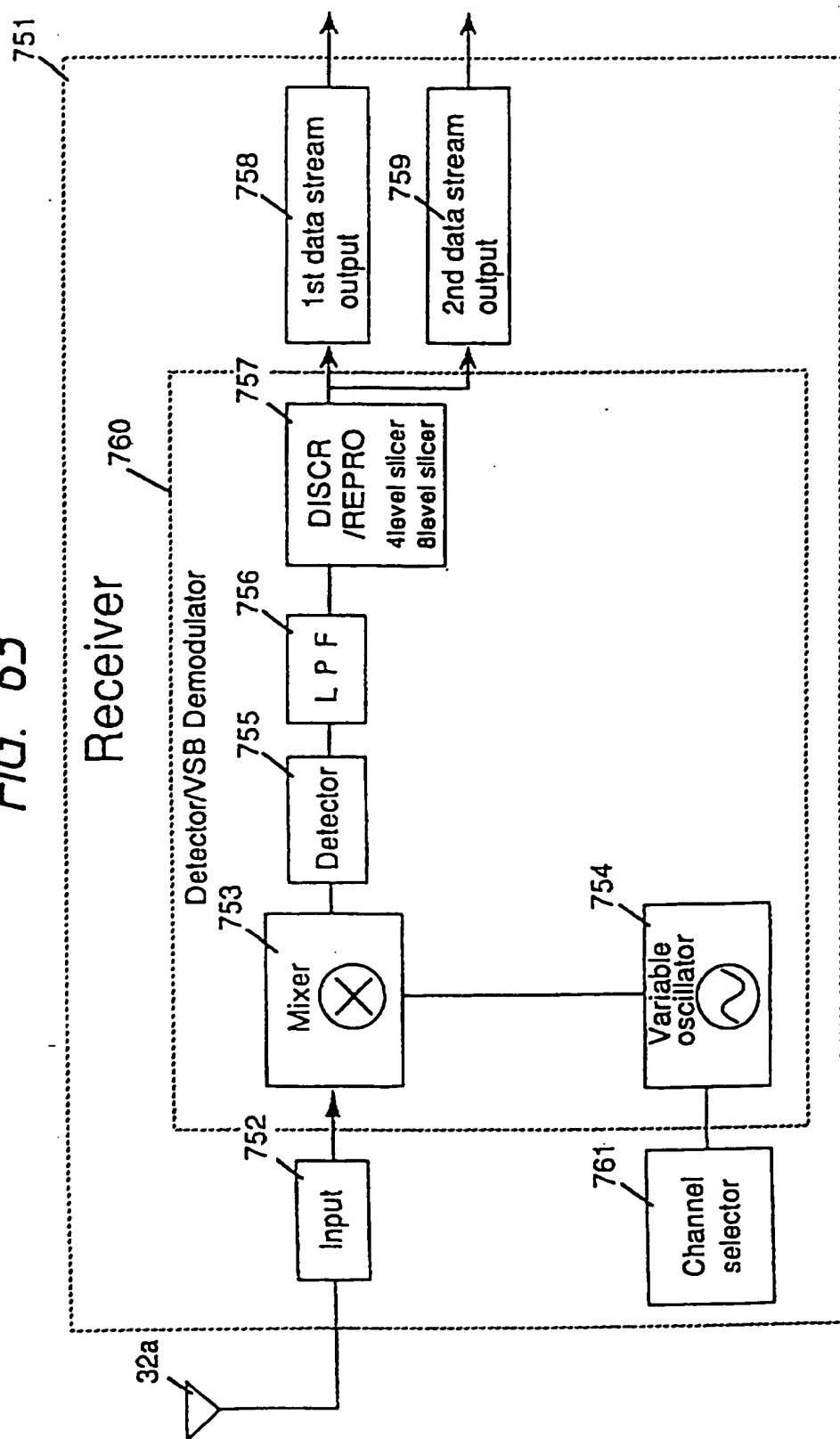


FIG. 64

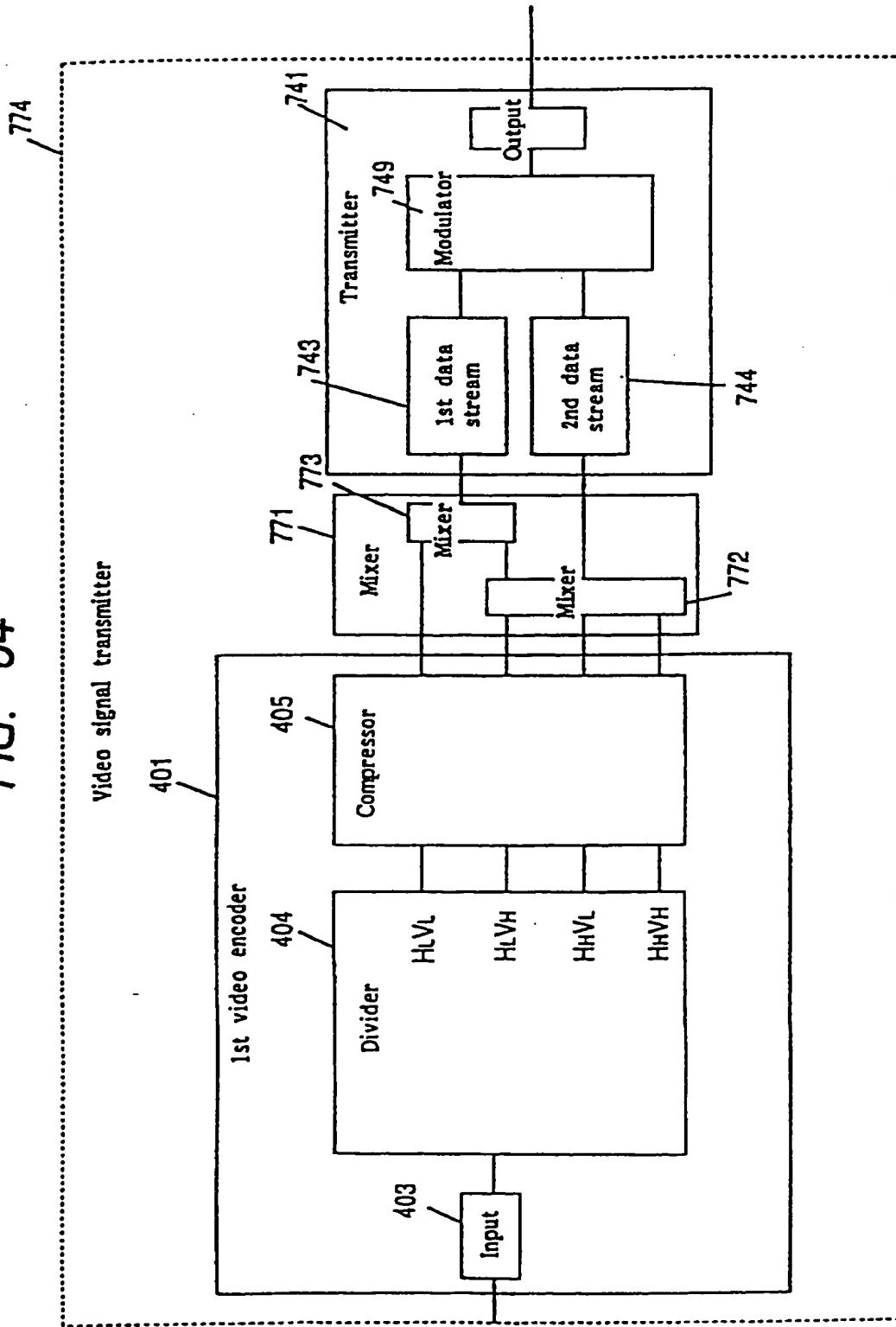


FIG. 65

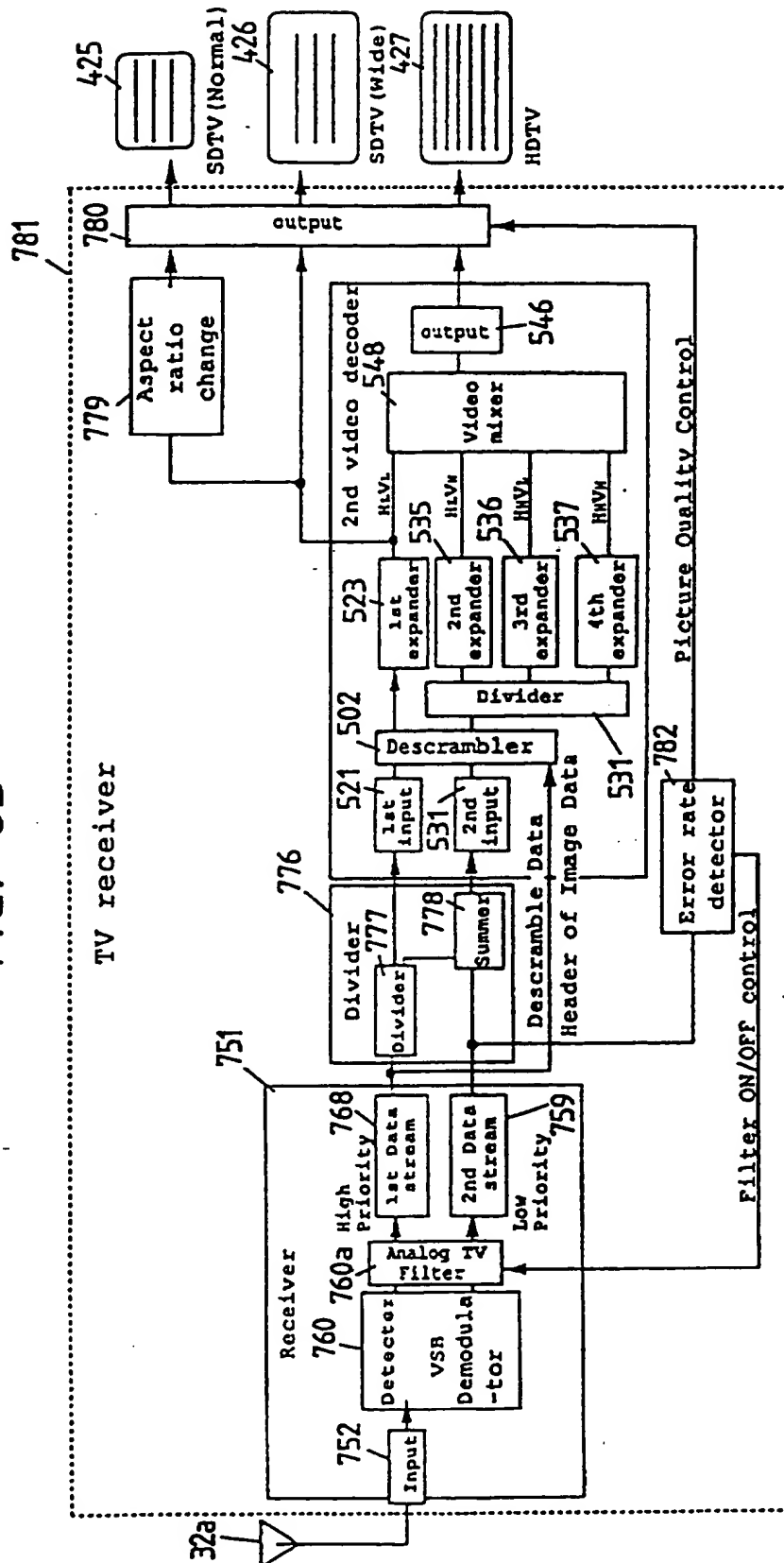


FIG. 66

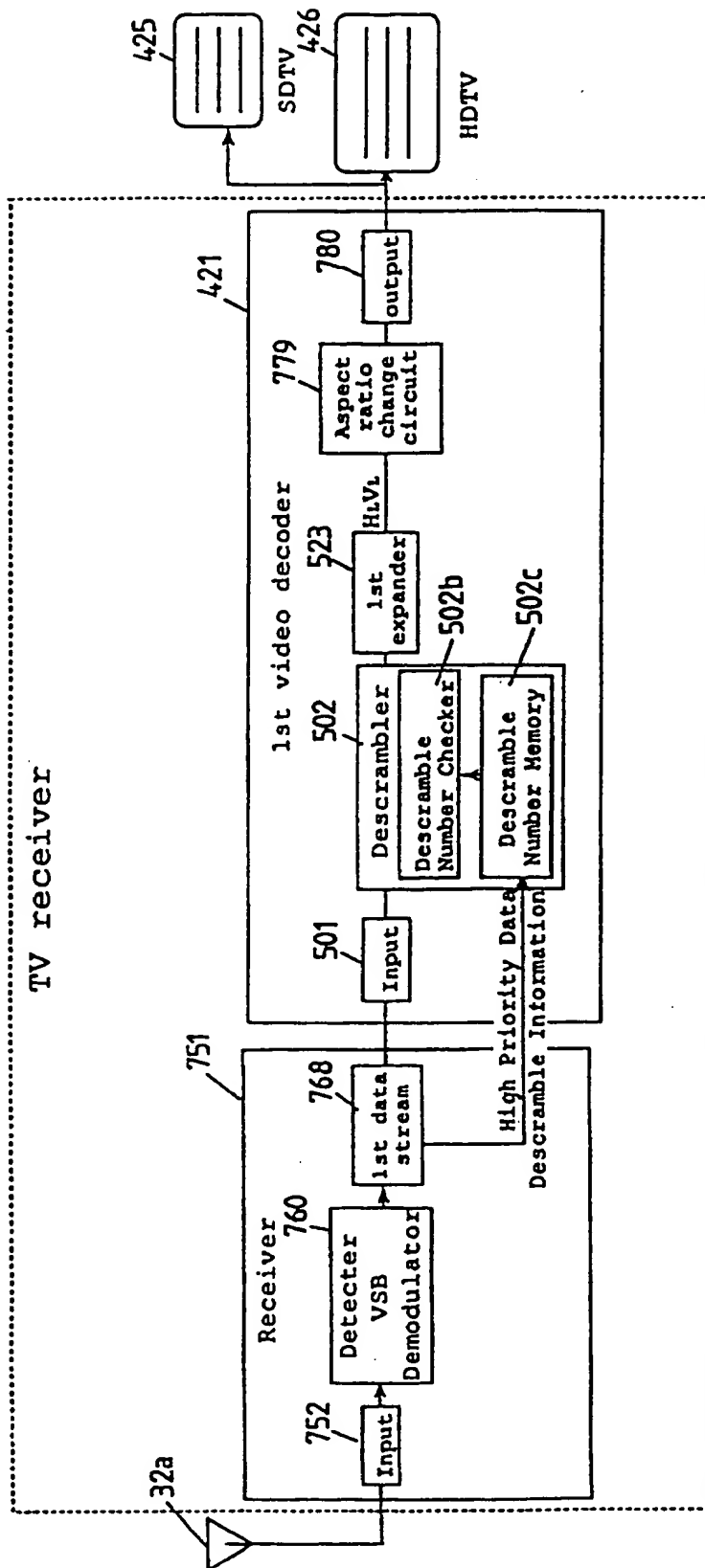


FIG. 67

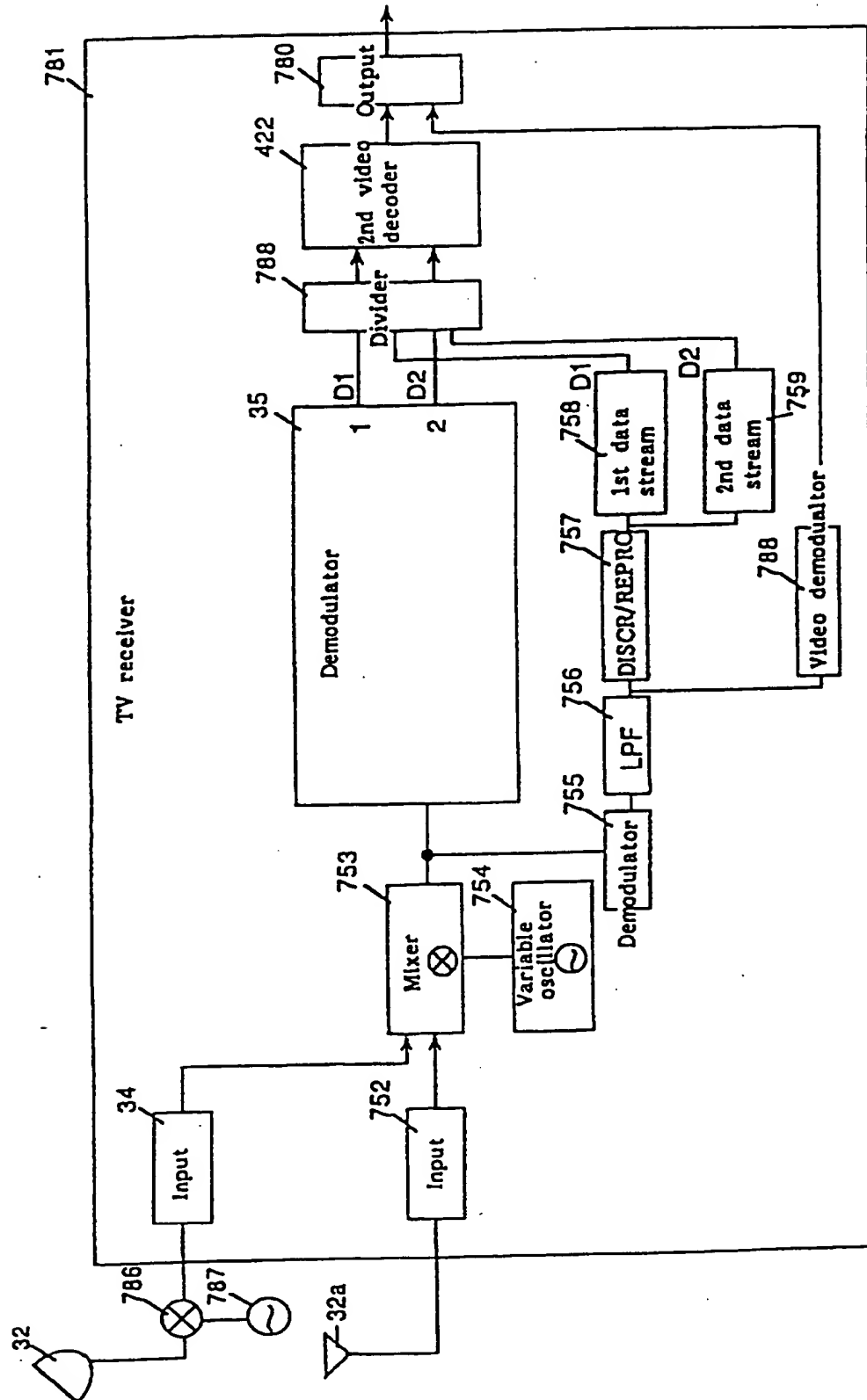


FIG. 68(a)

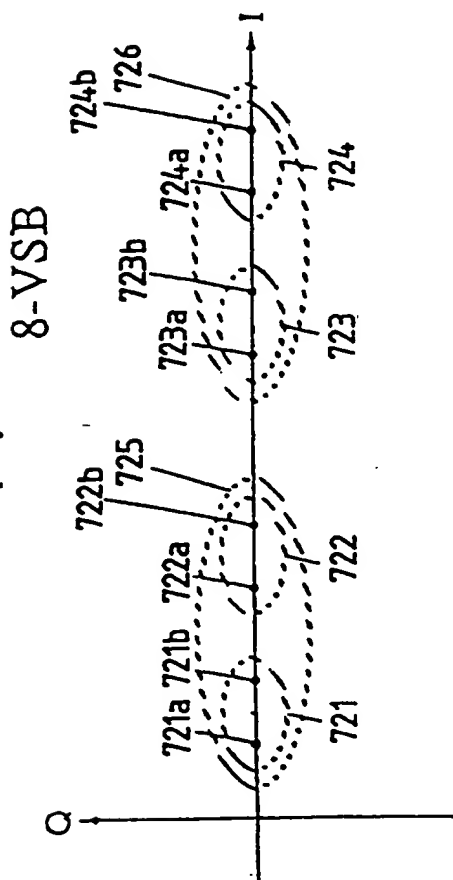


FIG. 68(b)

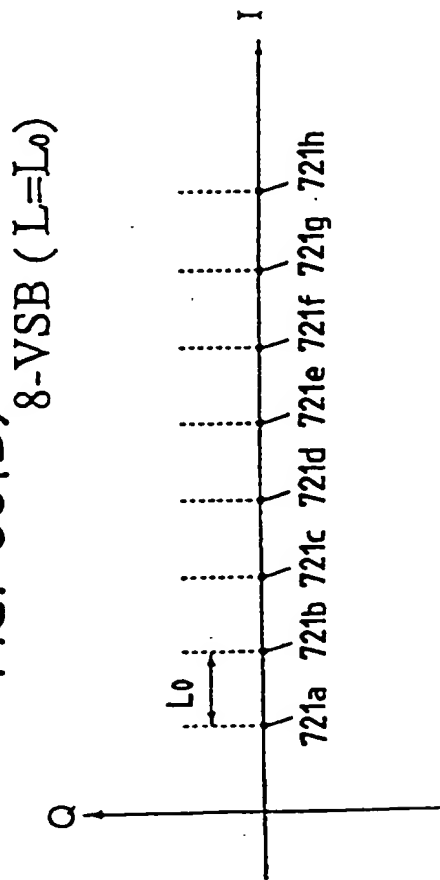


FIG. 68(c)

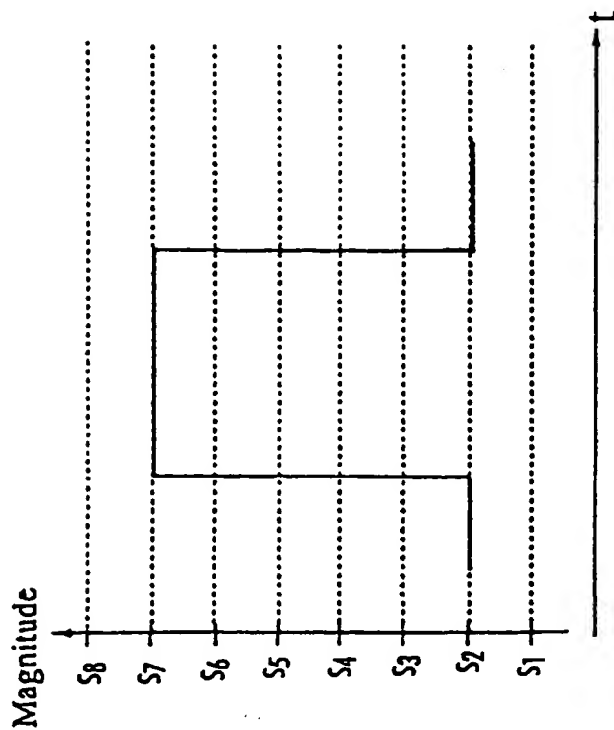
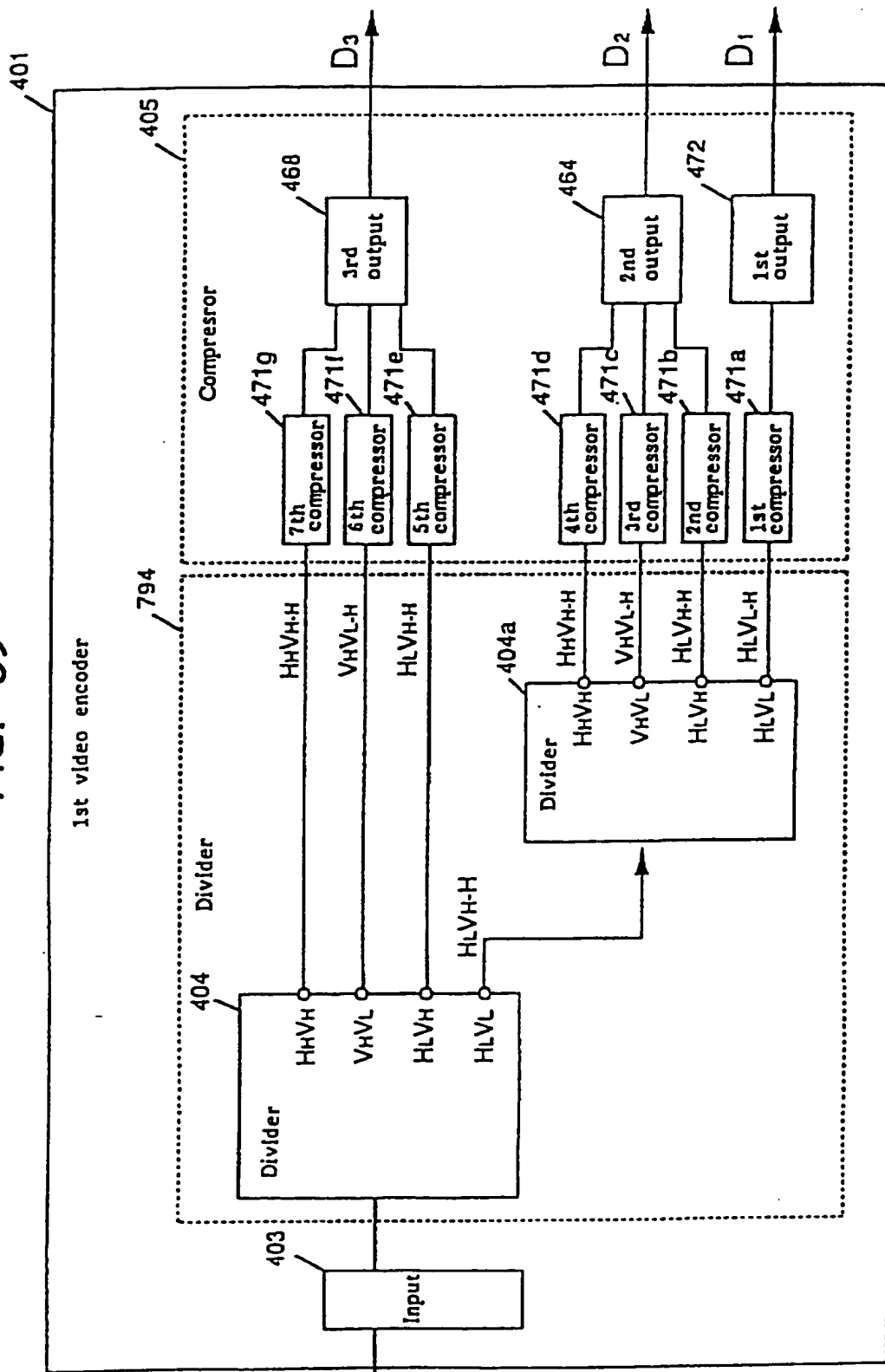




FIG. 69



DocId: 33041260

FIG. 70

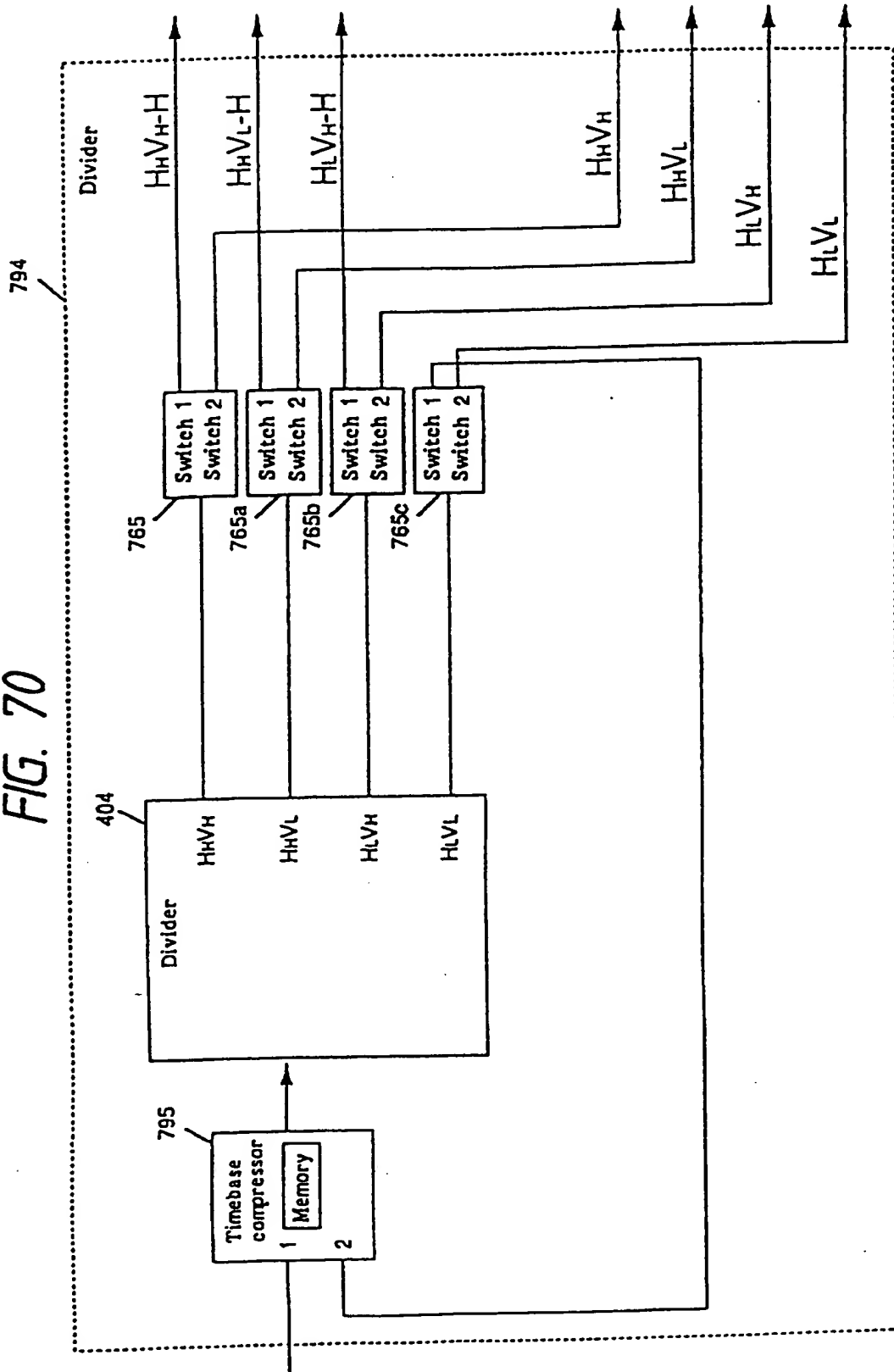


FIG. 71

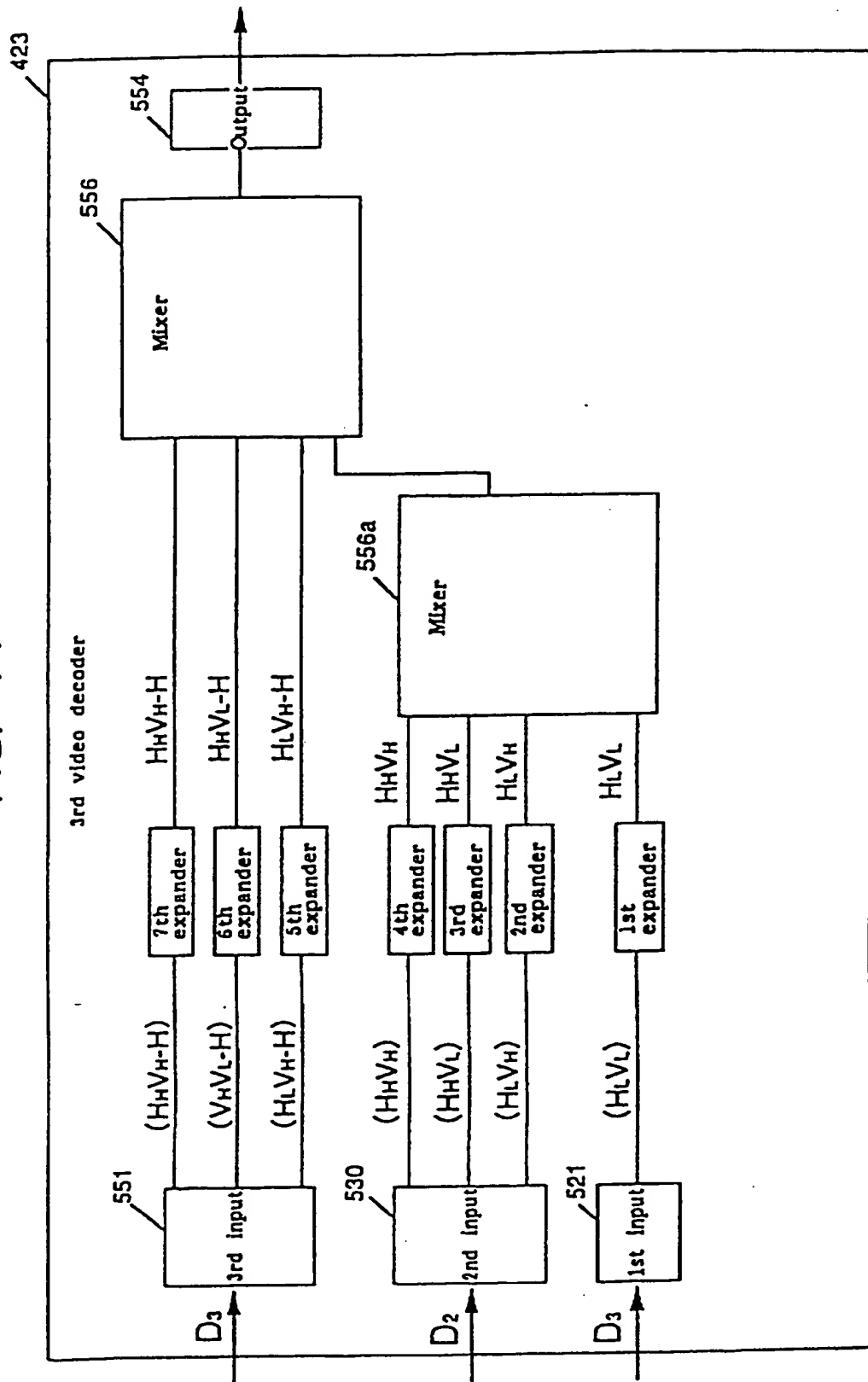
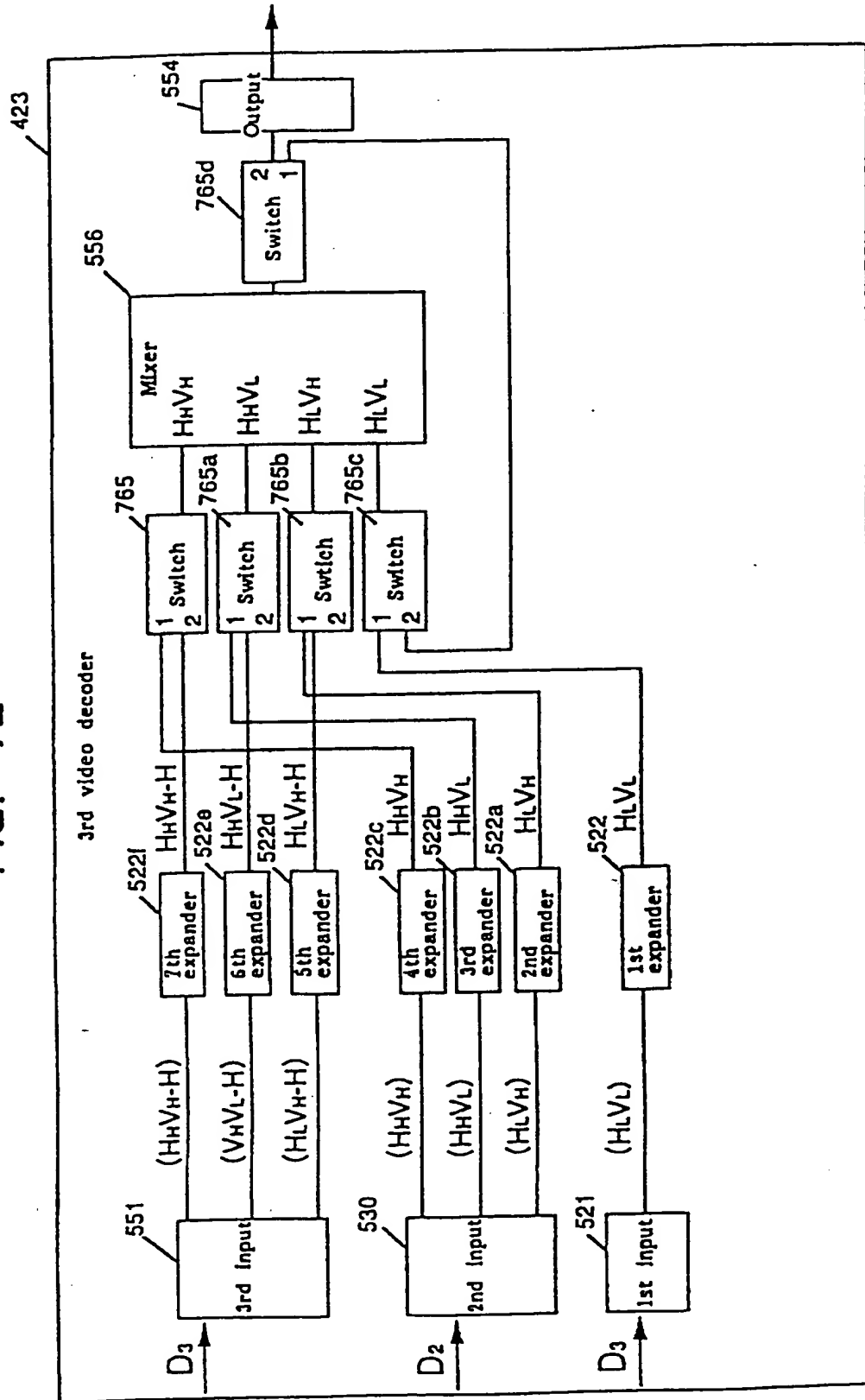
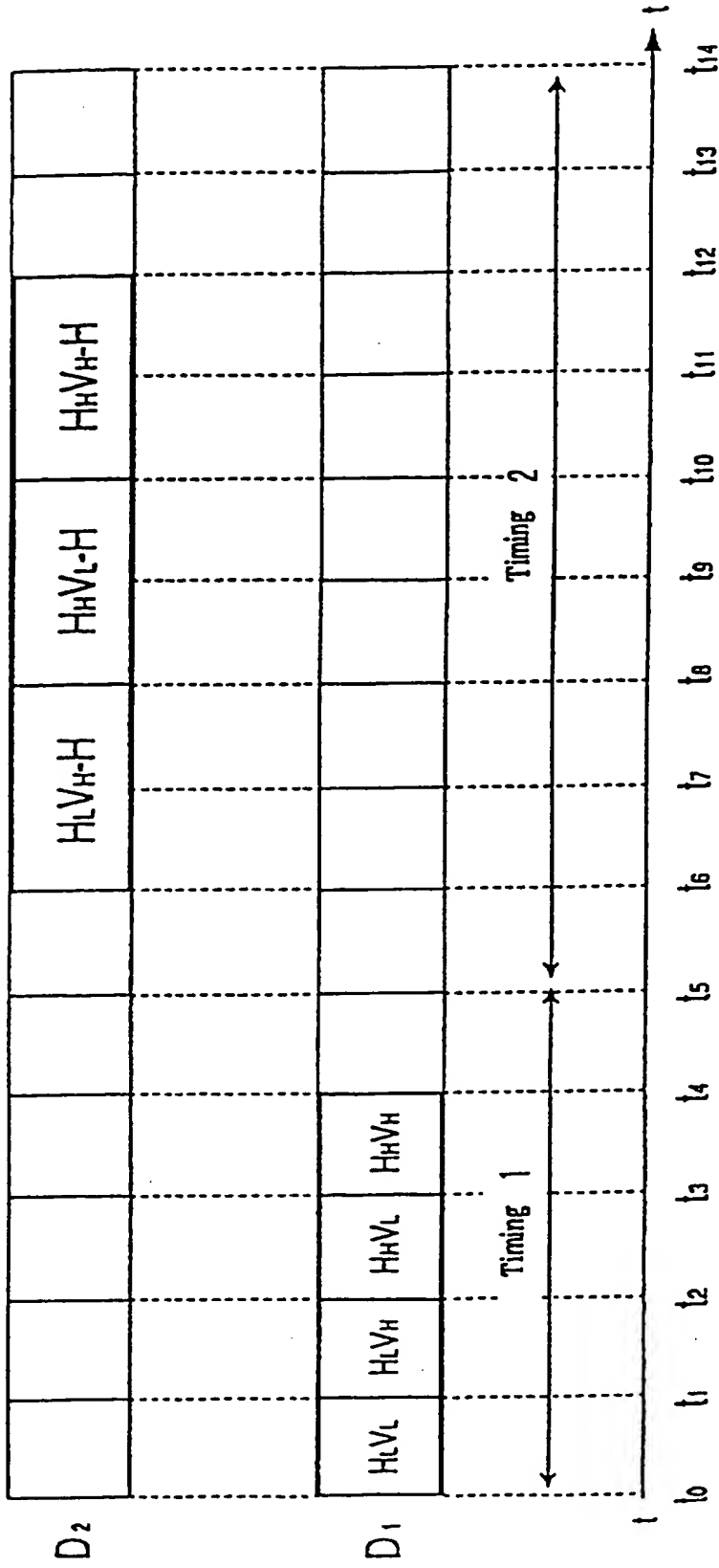


FIG. 72



Sheet 13 of 14

FIG. 73



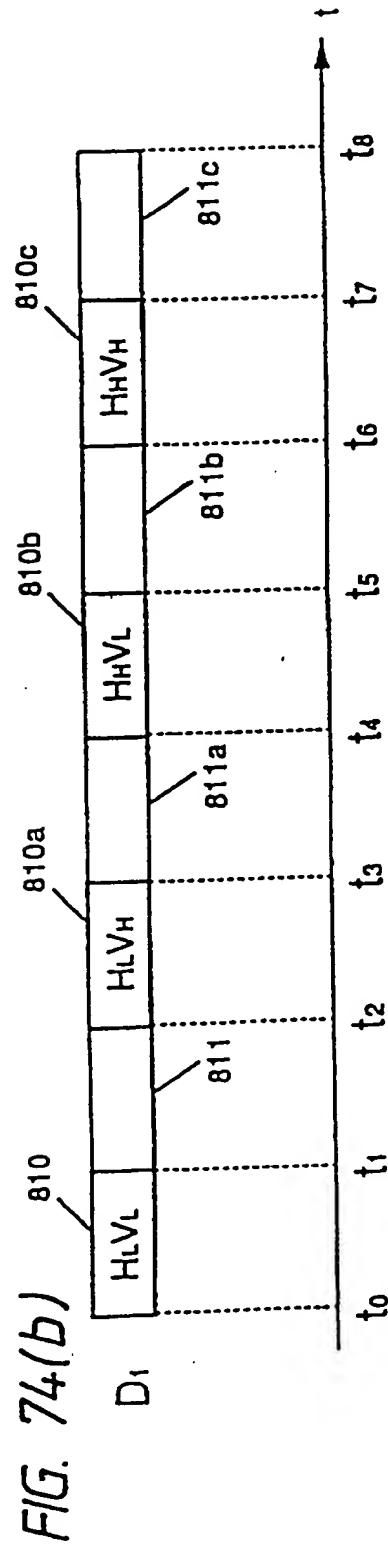
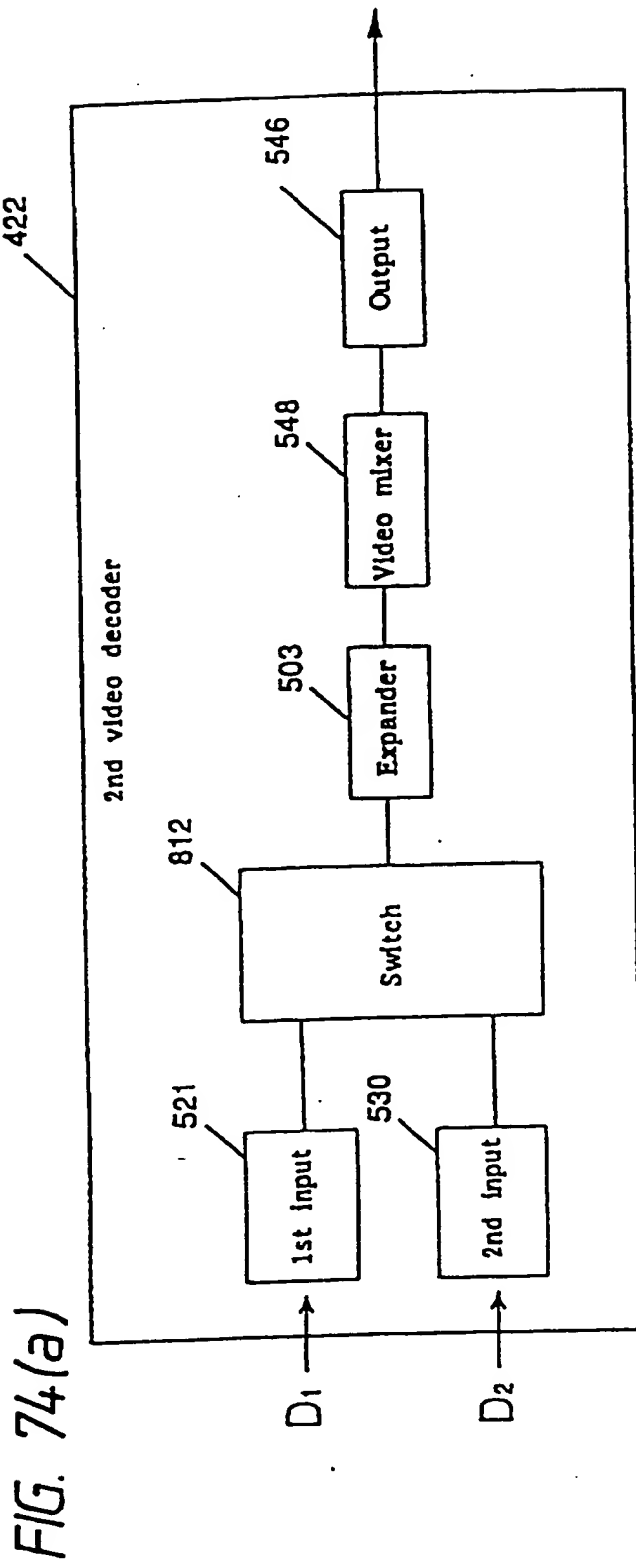


FIG. 75

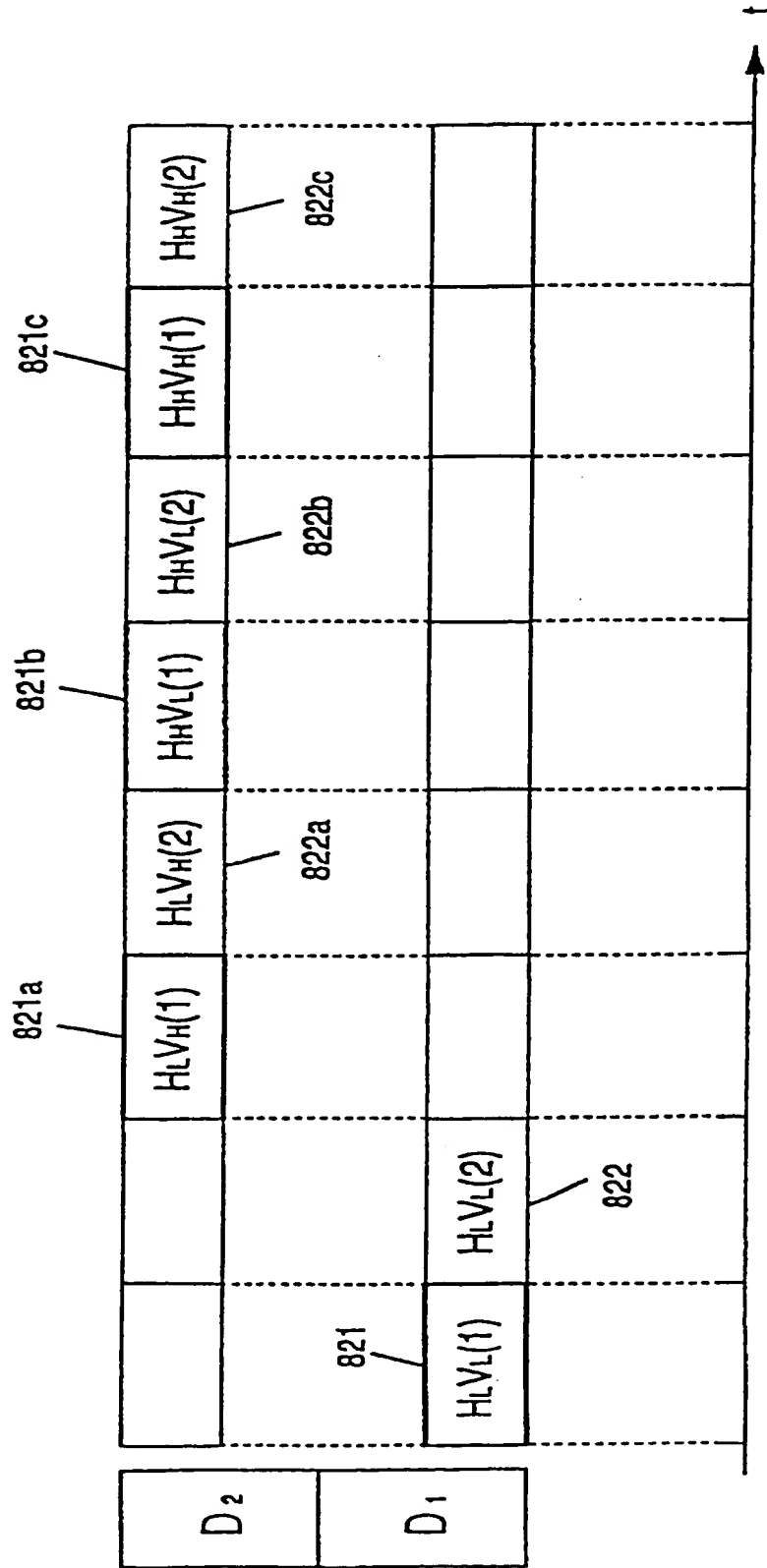


FIG. 76

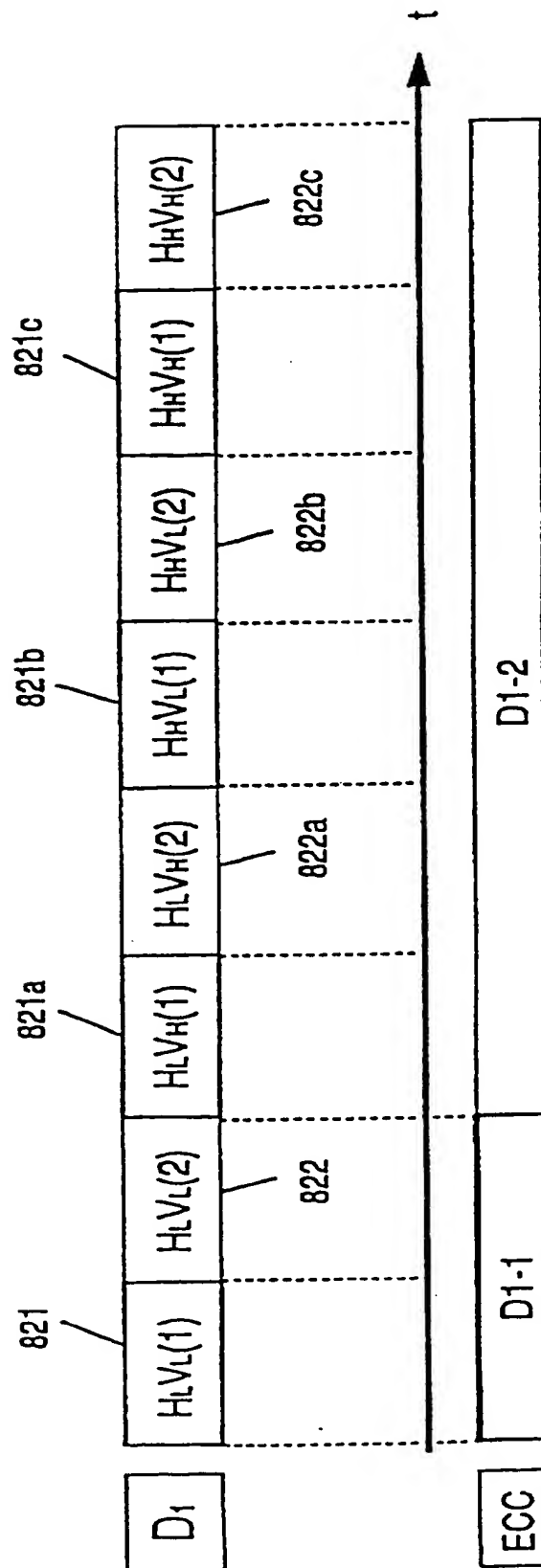




FIG. 77

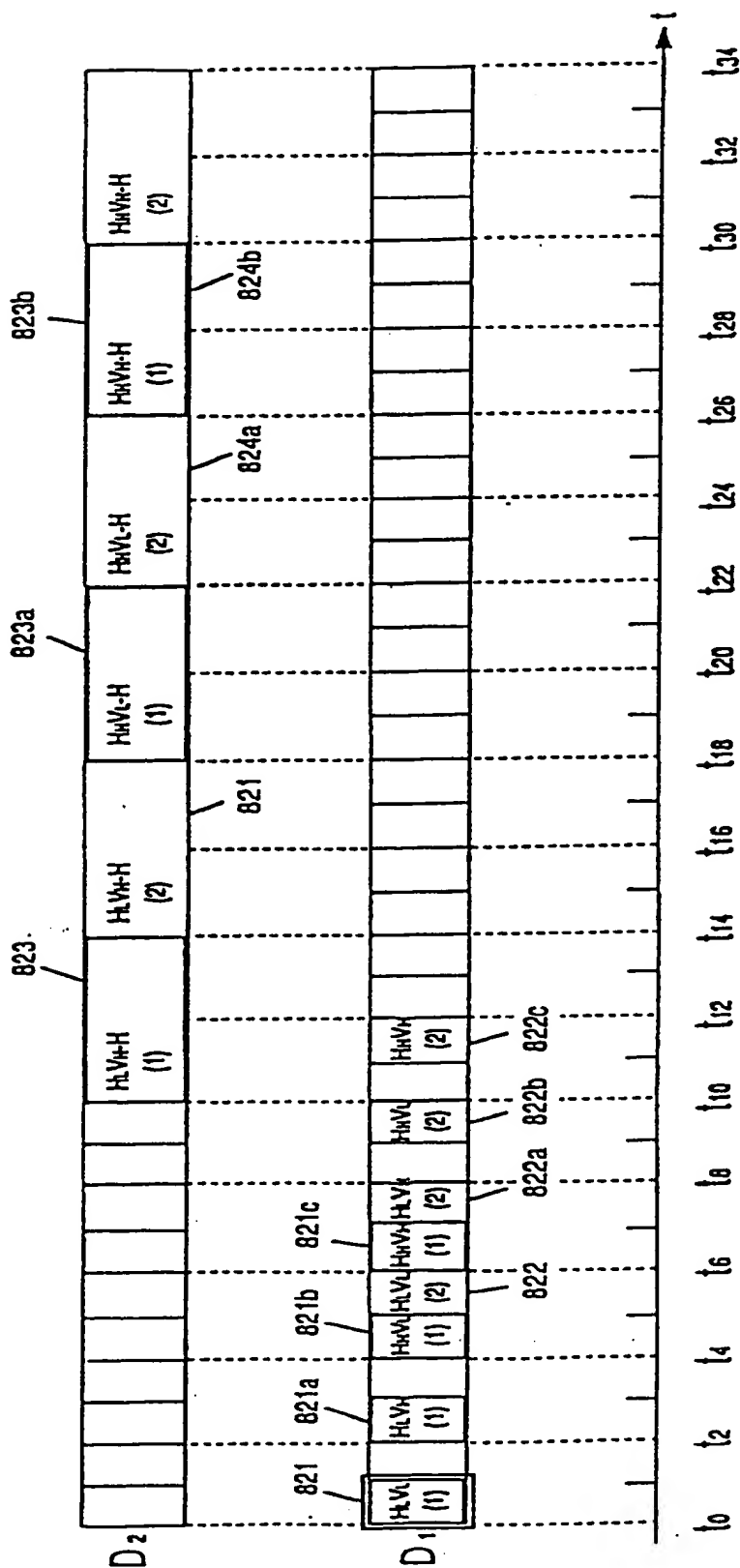
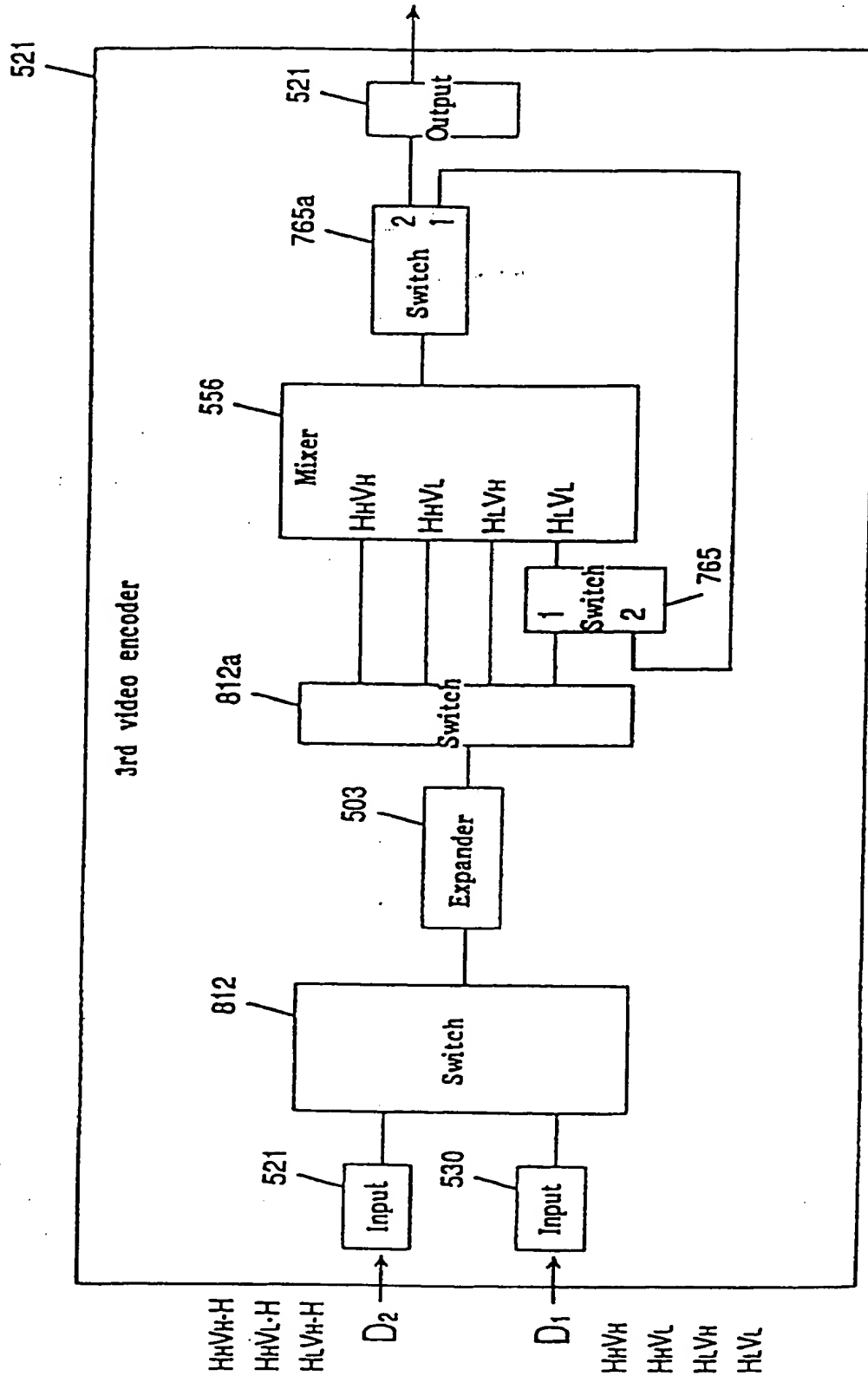


FIG. 78



000221-090074250

FIG. 79

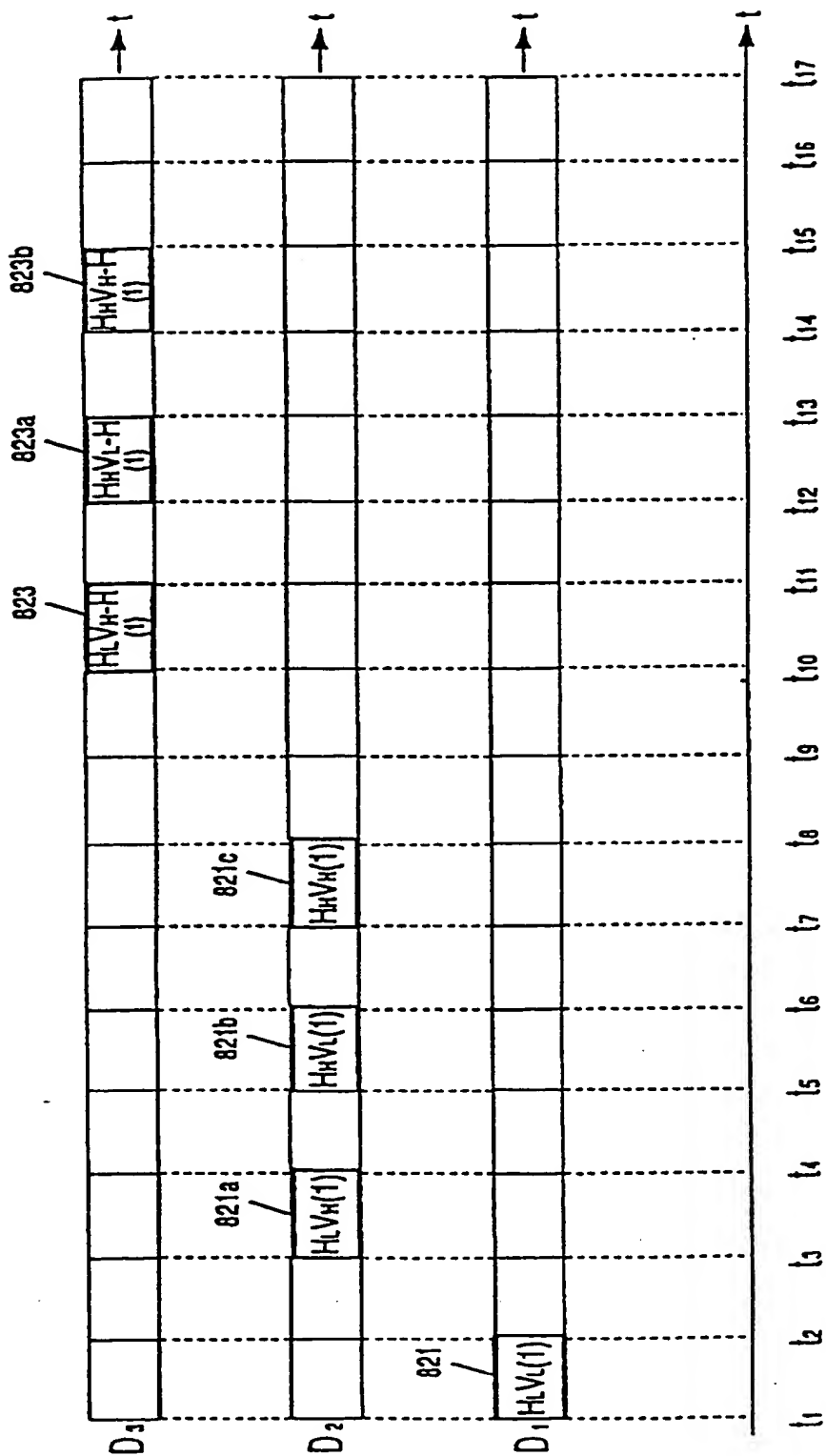


FIG. 80

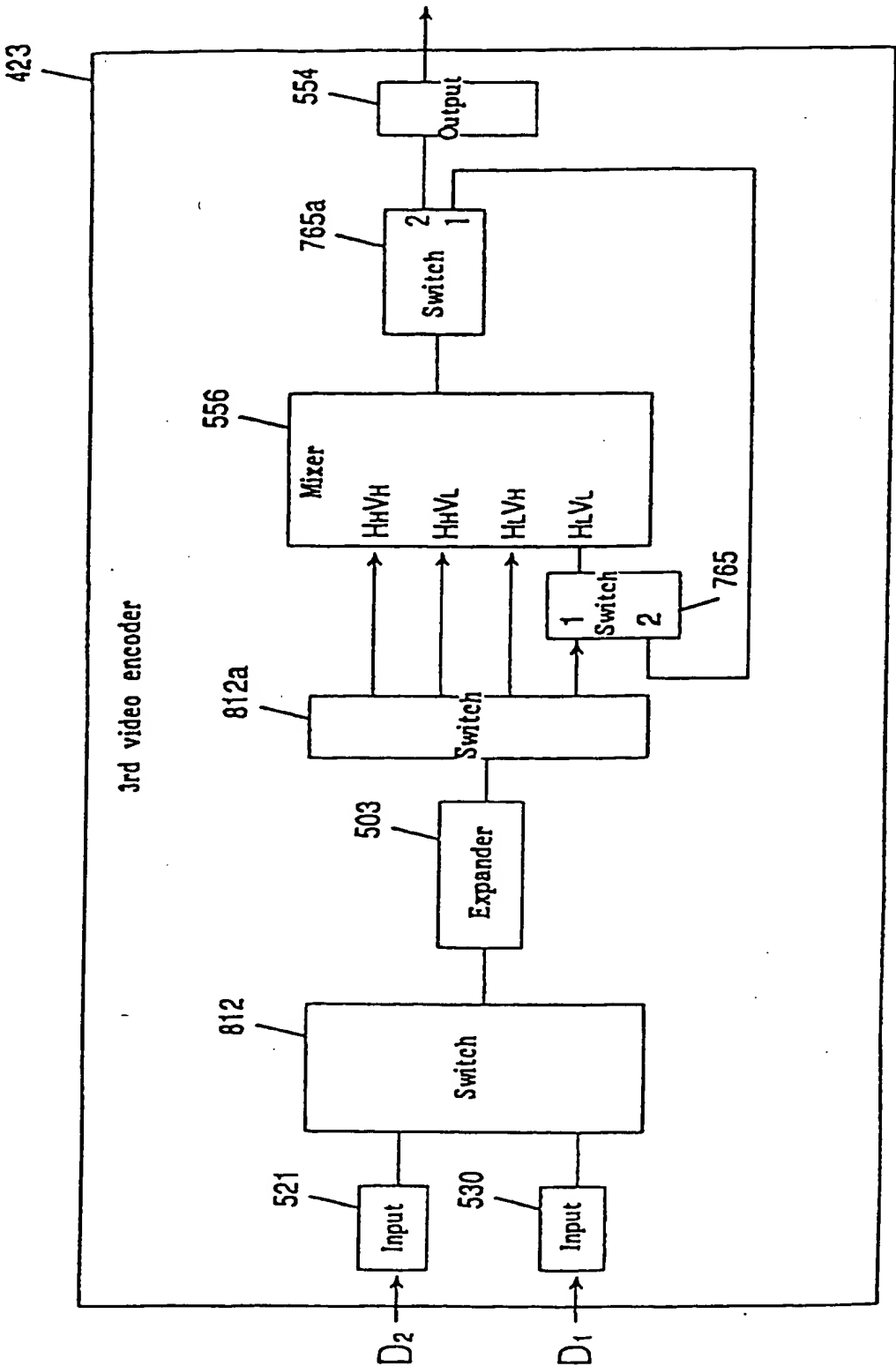


FIG. 81

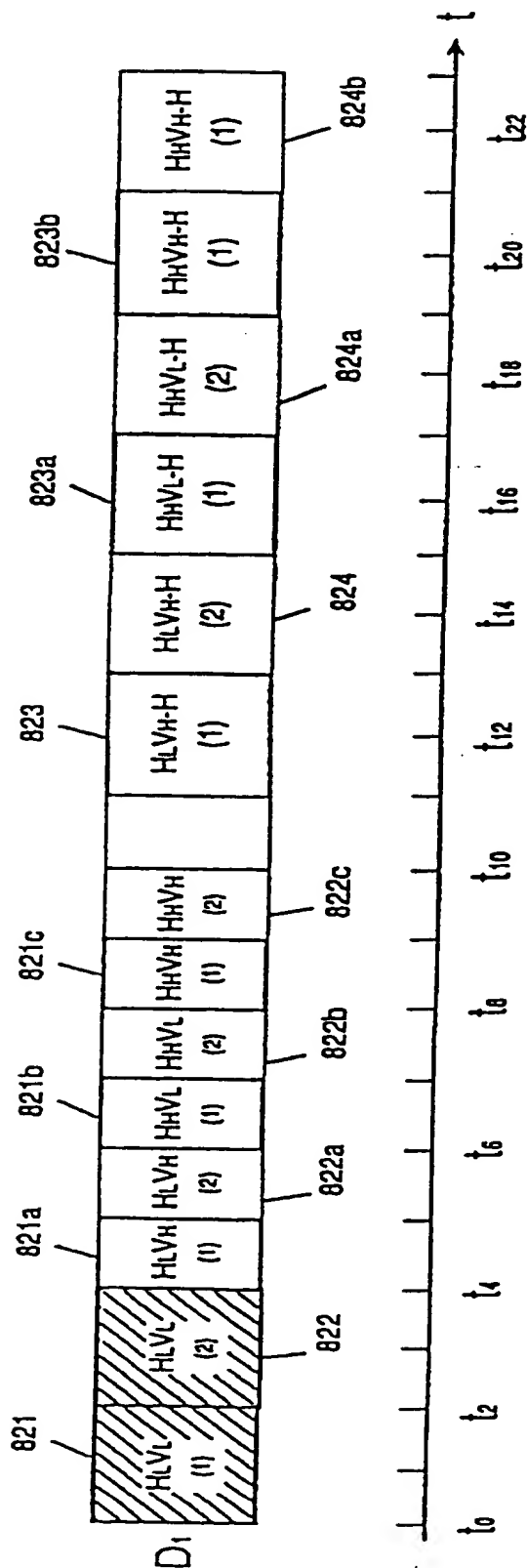


FIG. 82

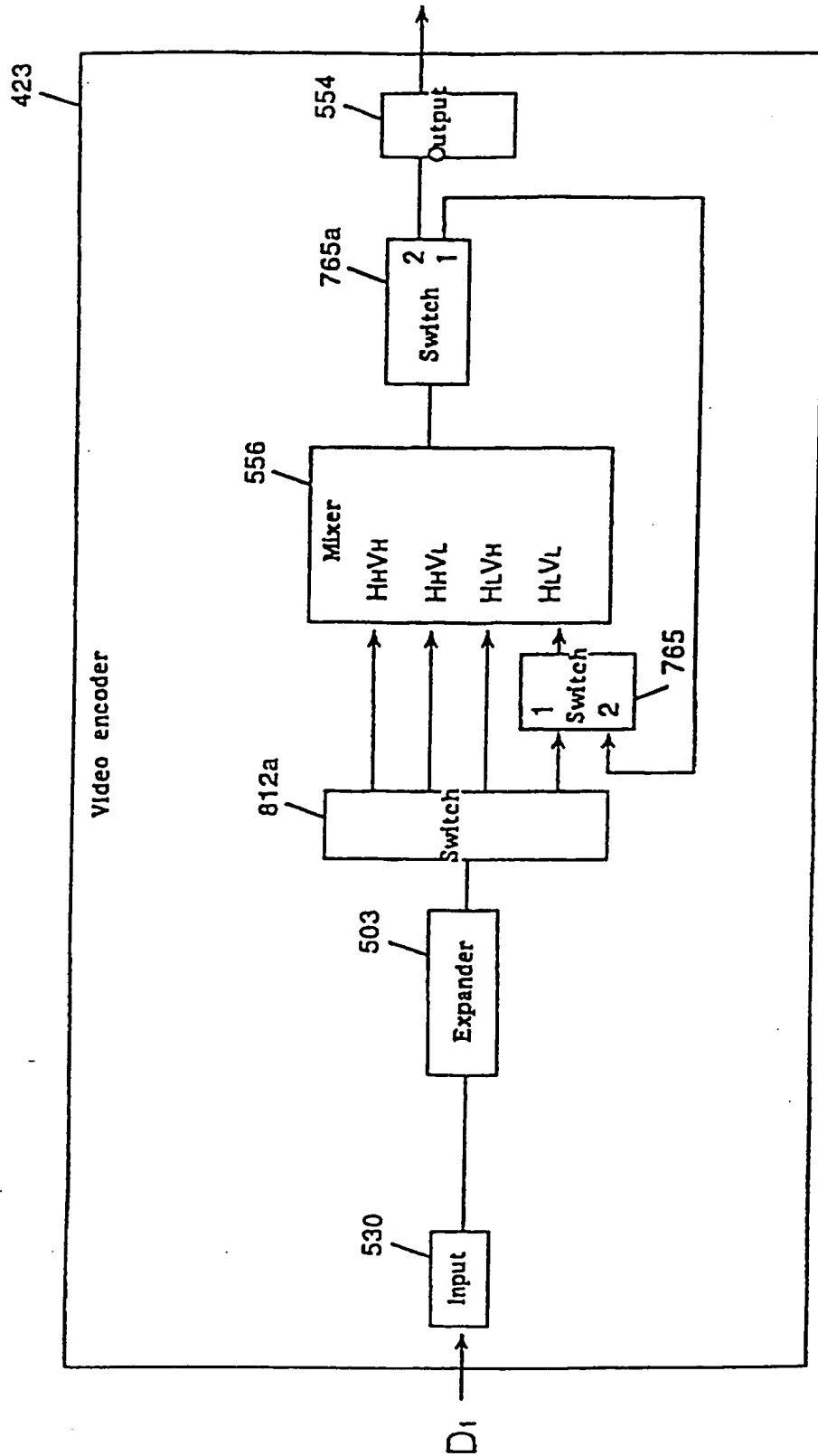
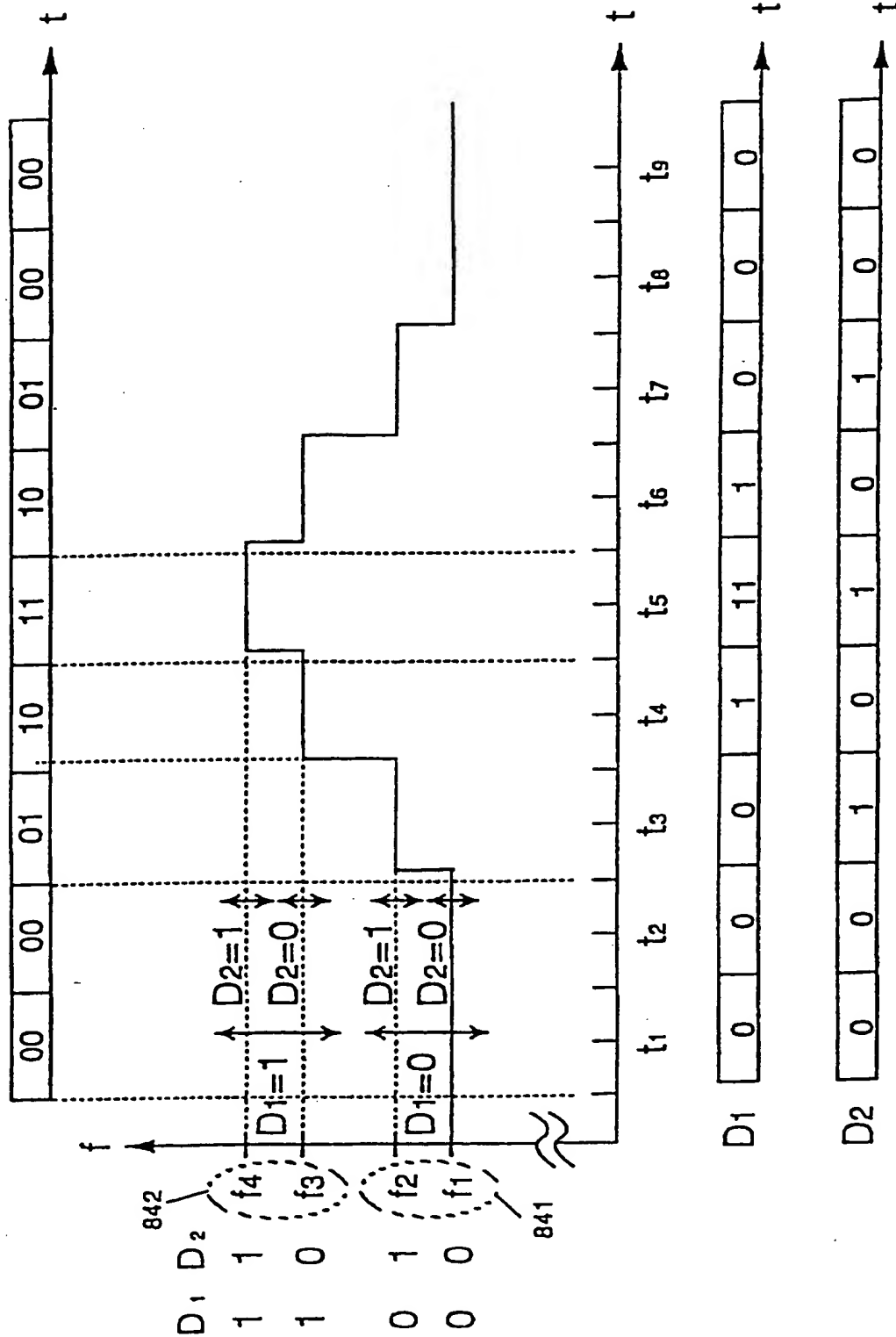


FIG. 83



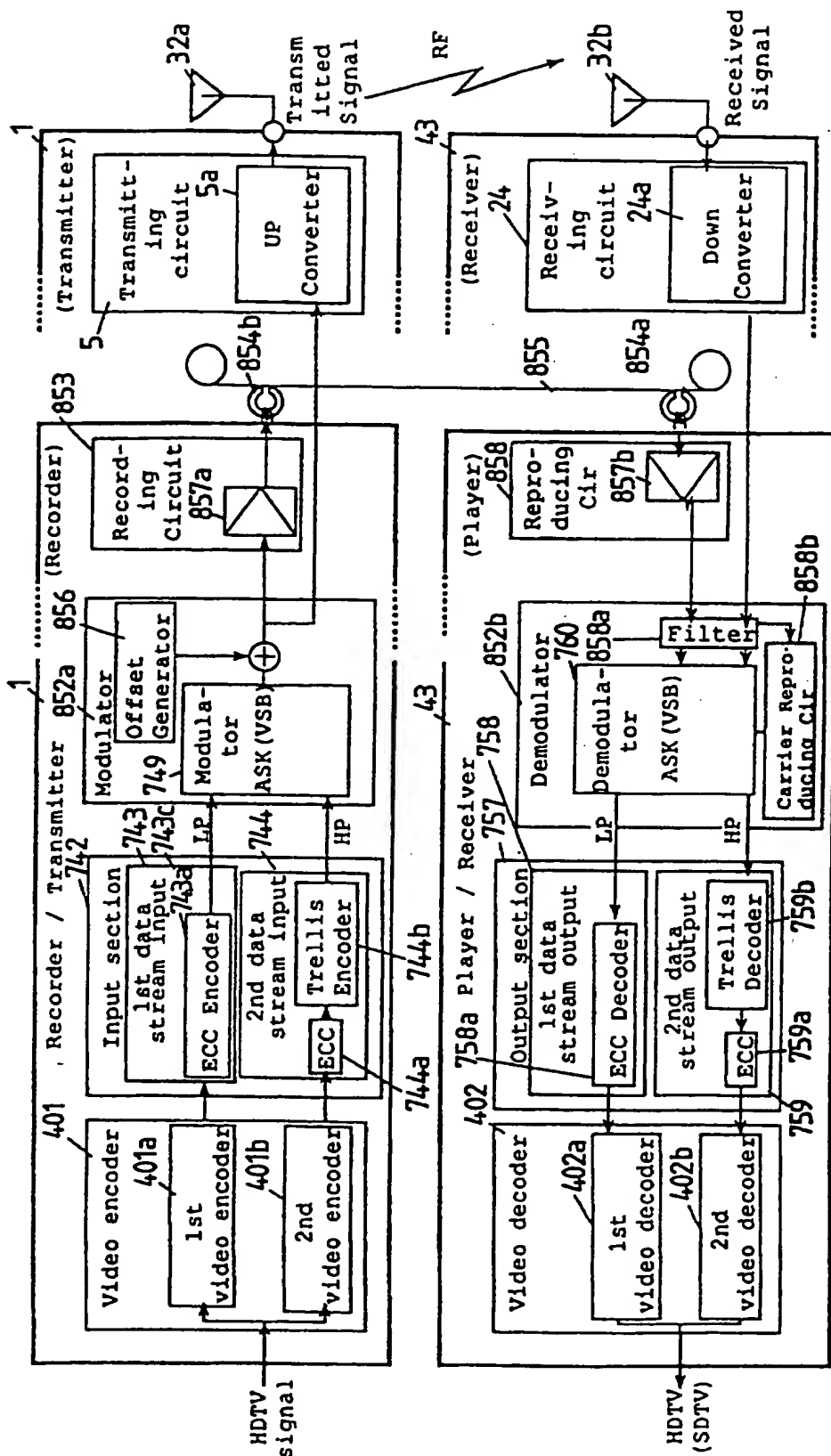




FIG. 85

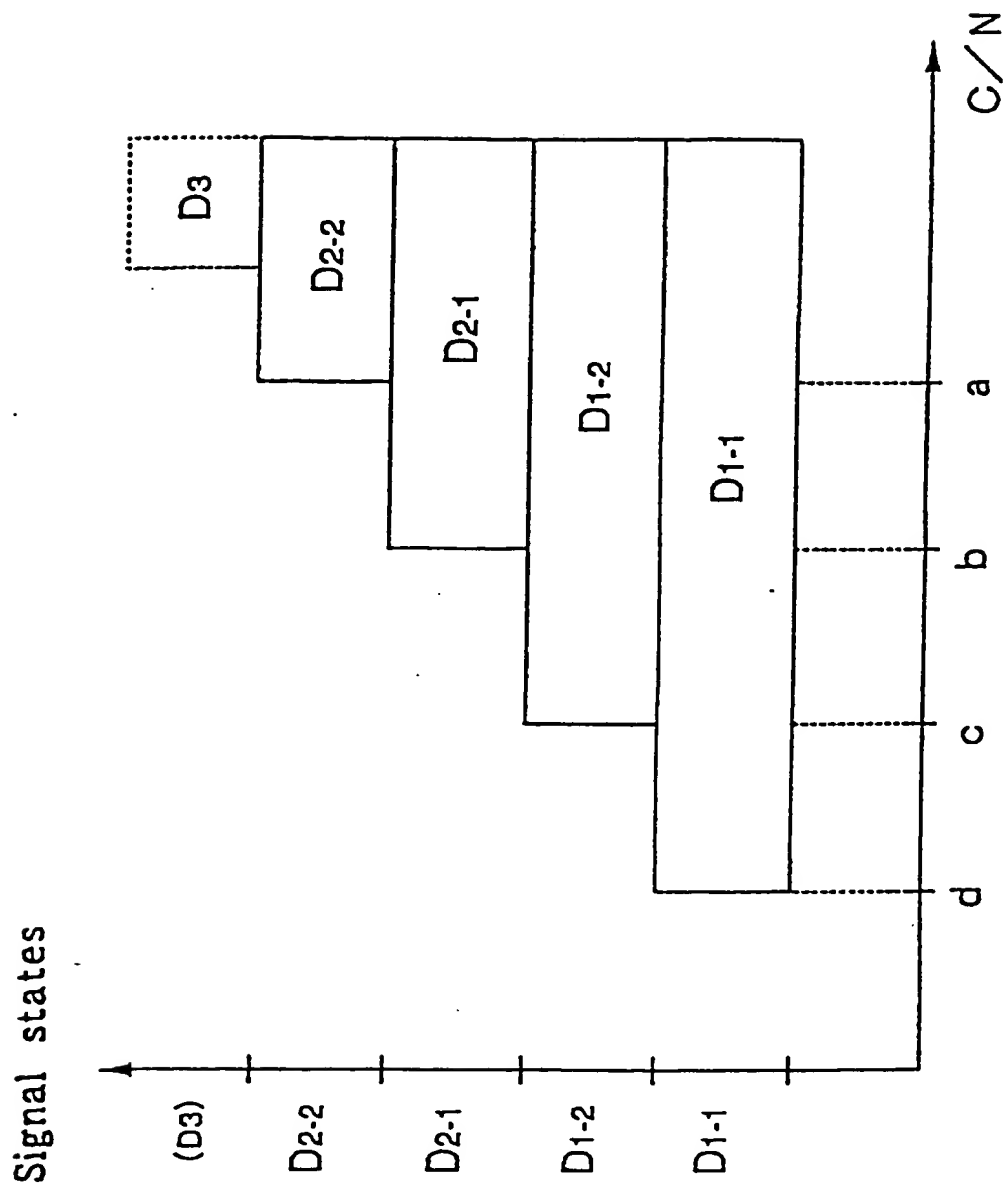


FIG. 86

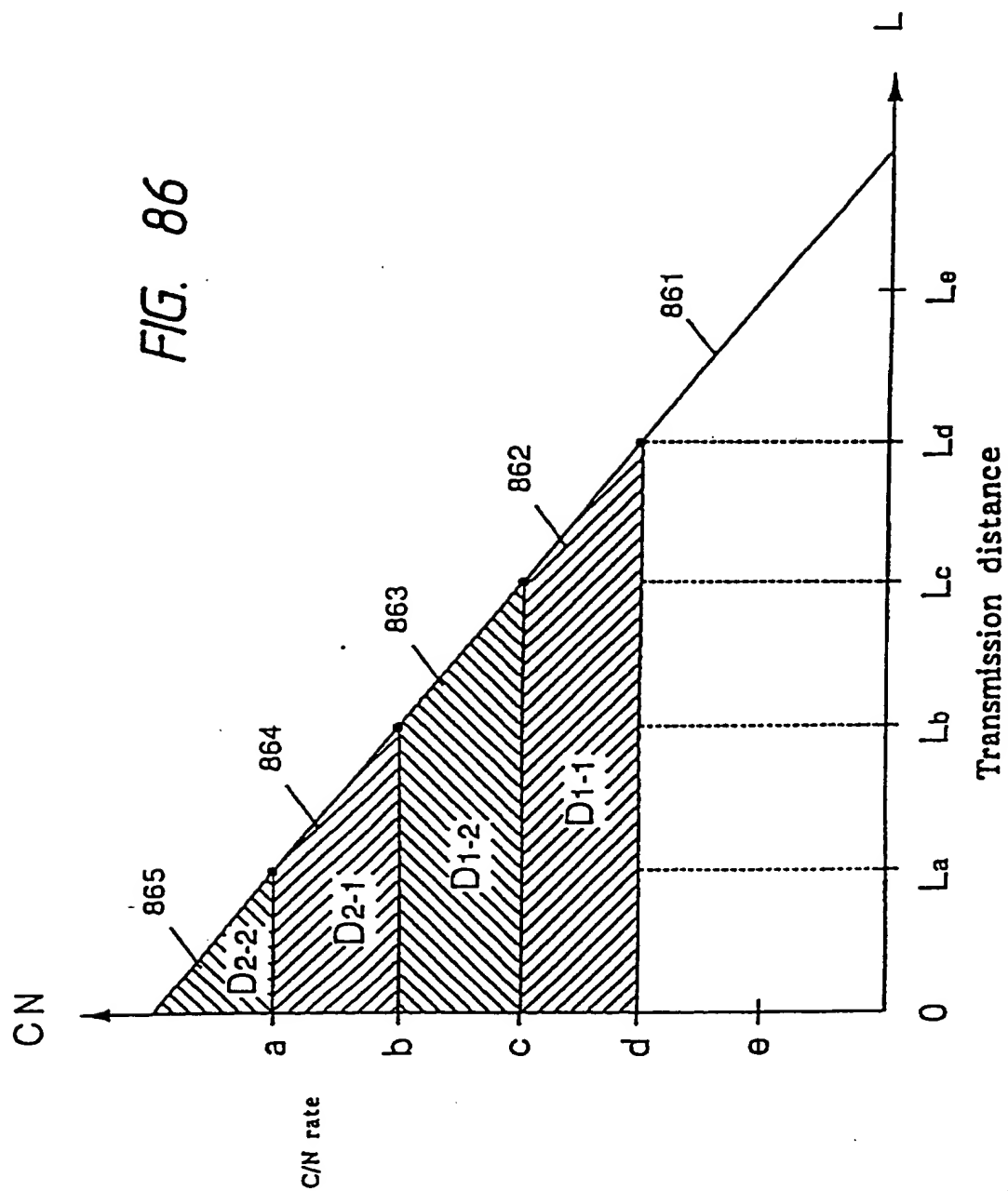


FIG. 87

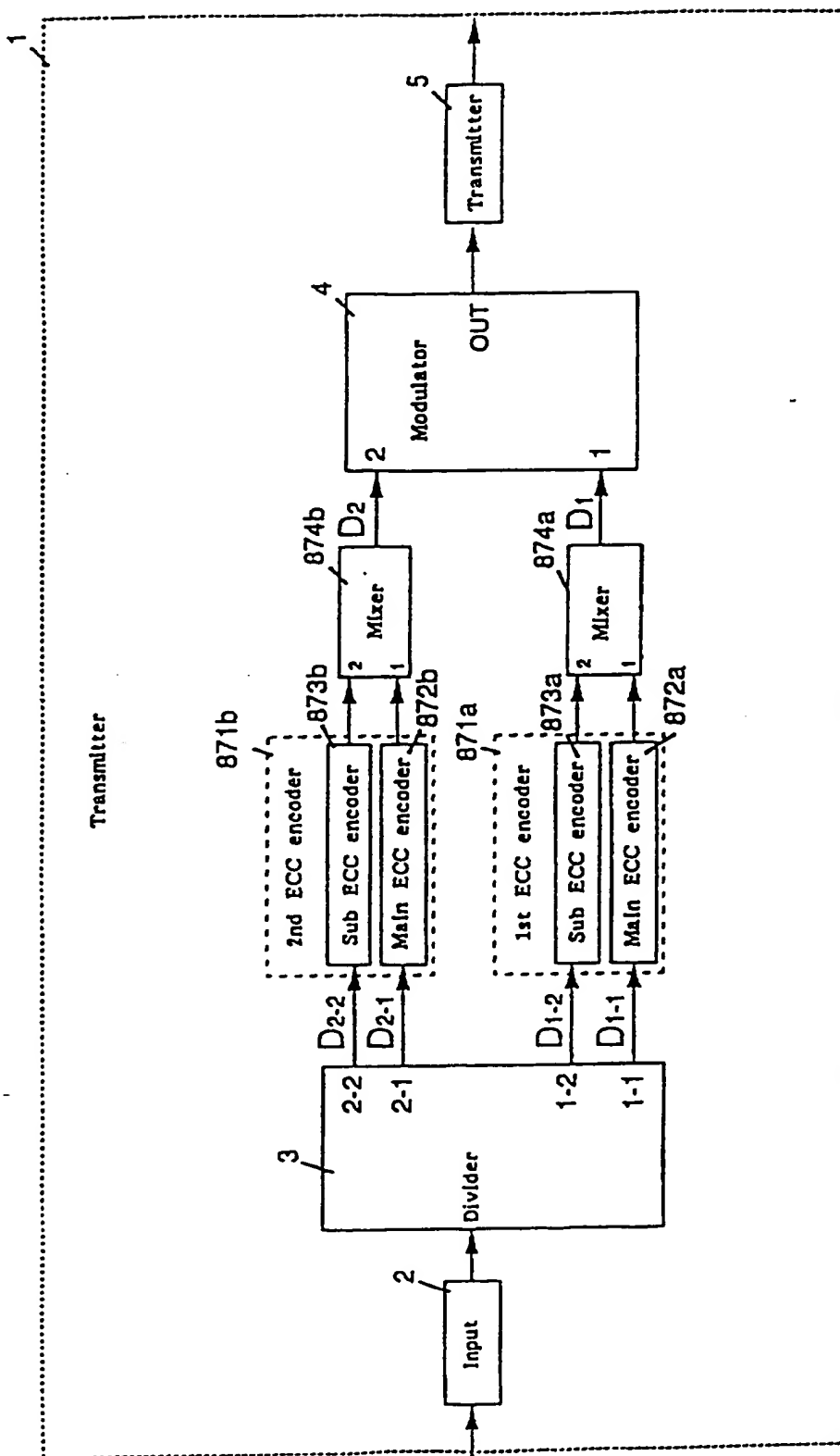
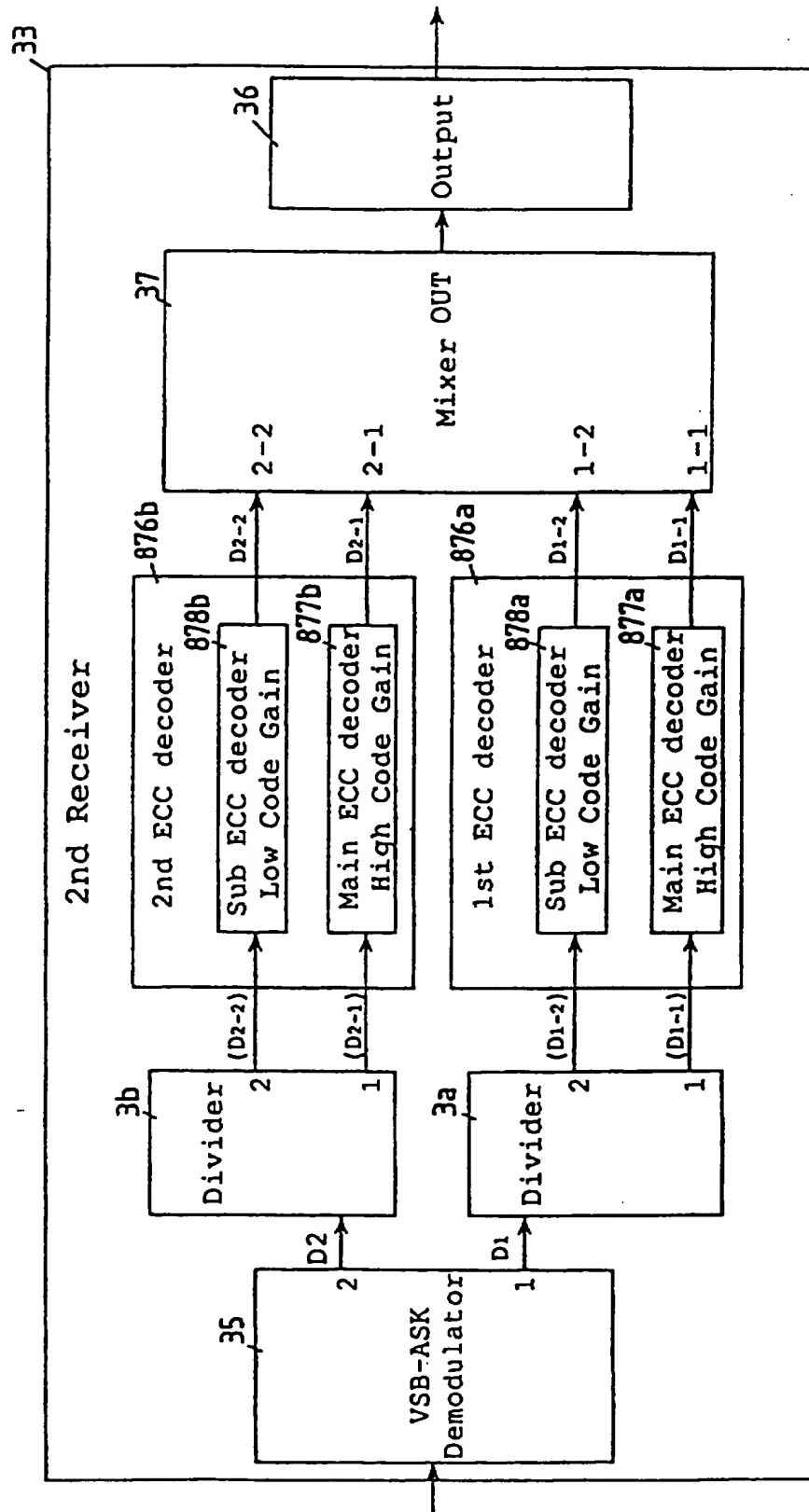


FIG. 88



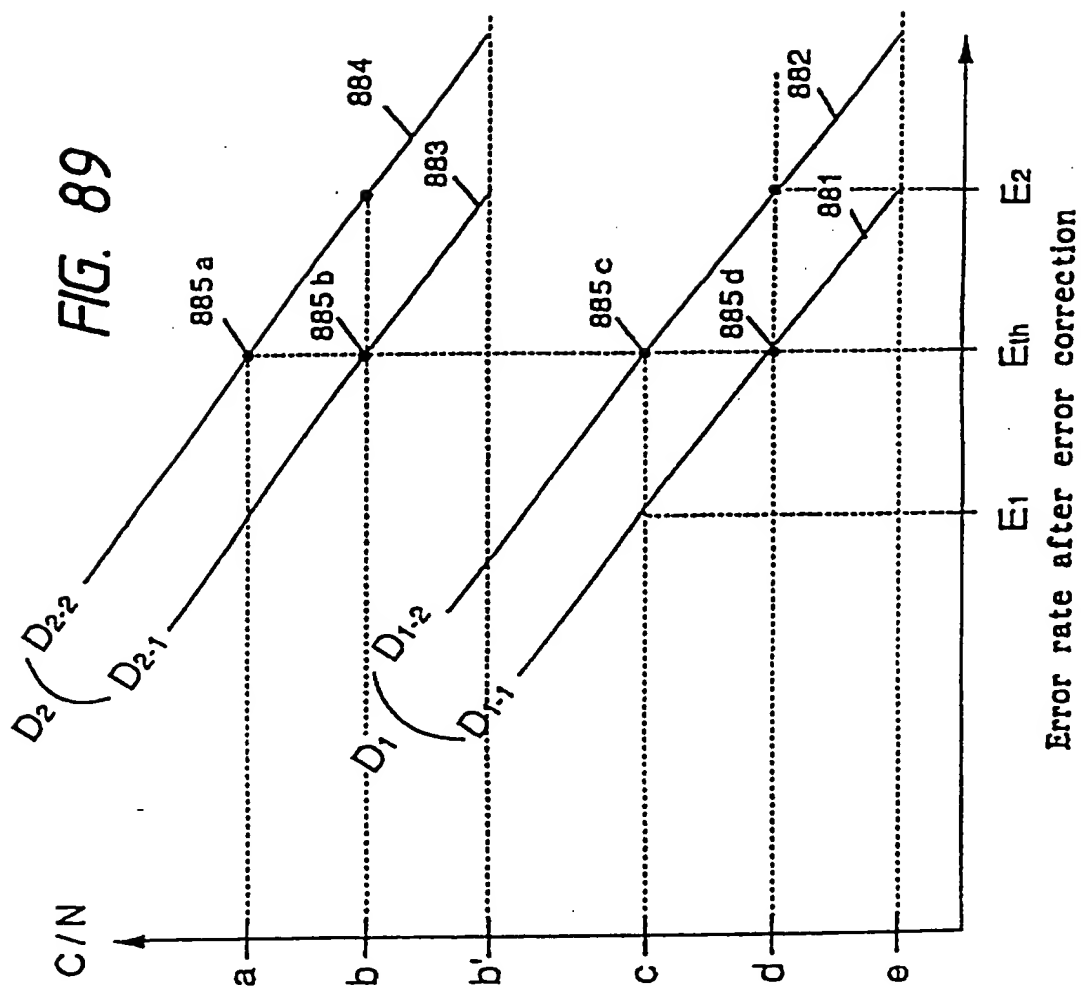
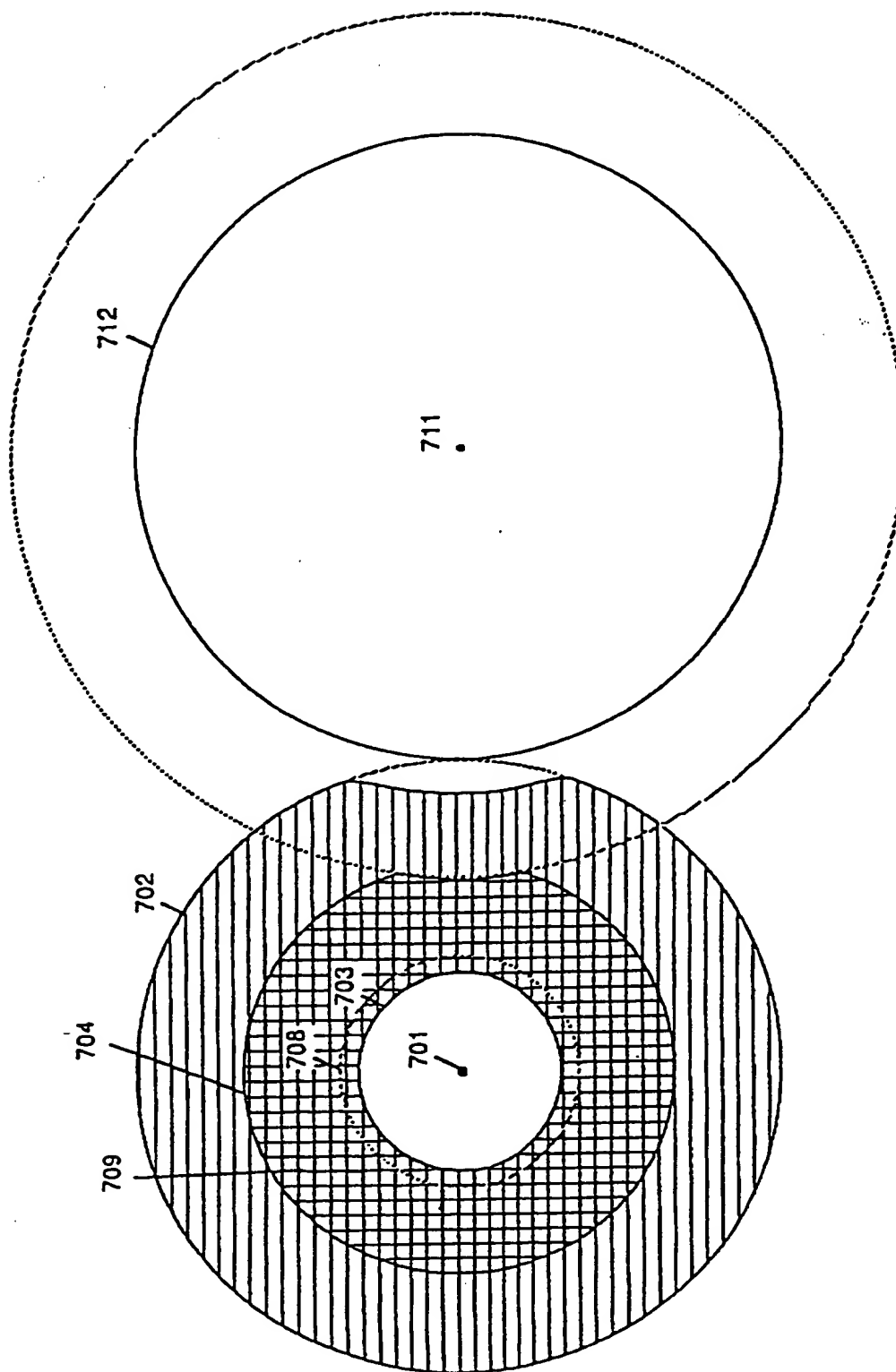
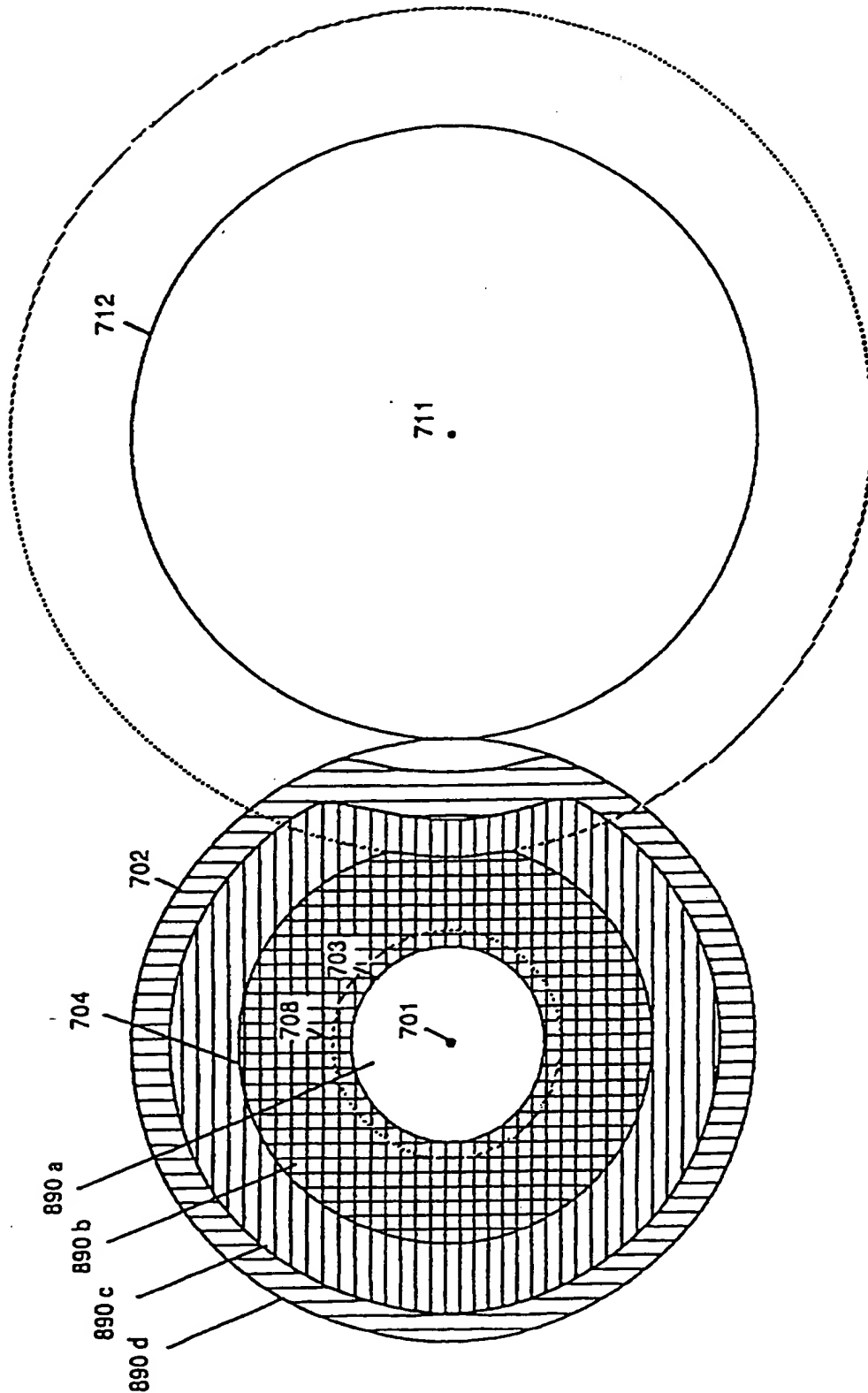


FIG. 90



000007-89007450

FIG. 91



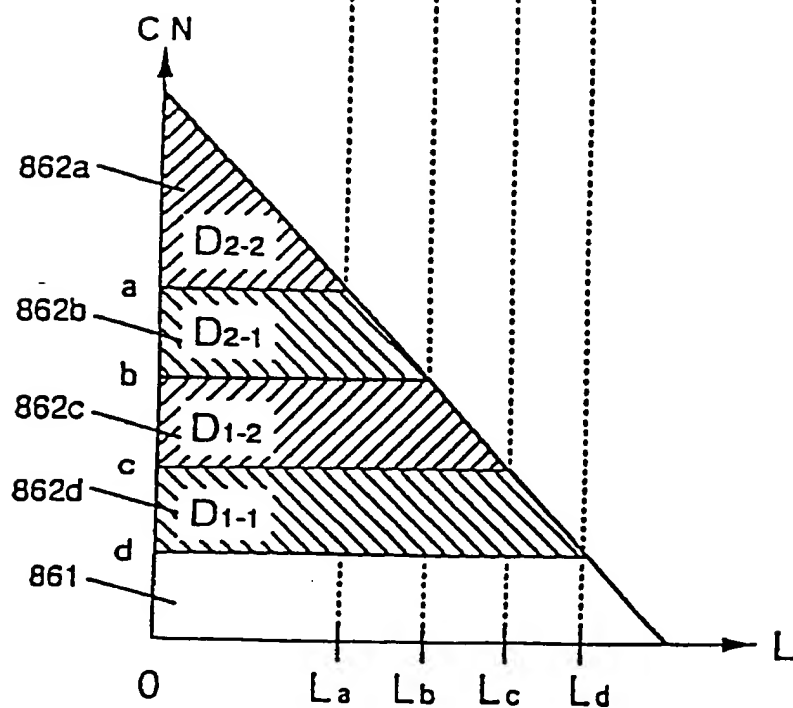




FIG. 93

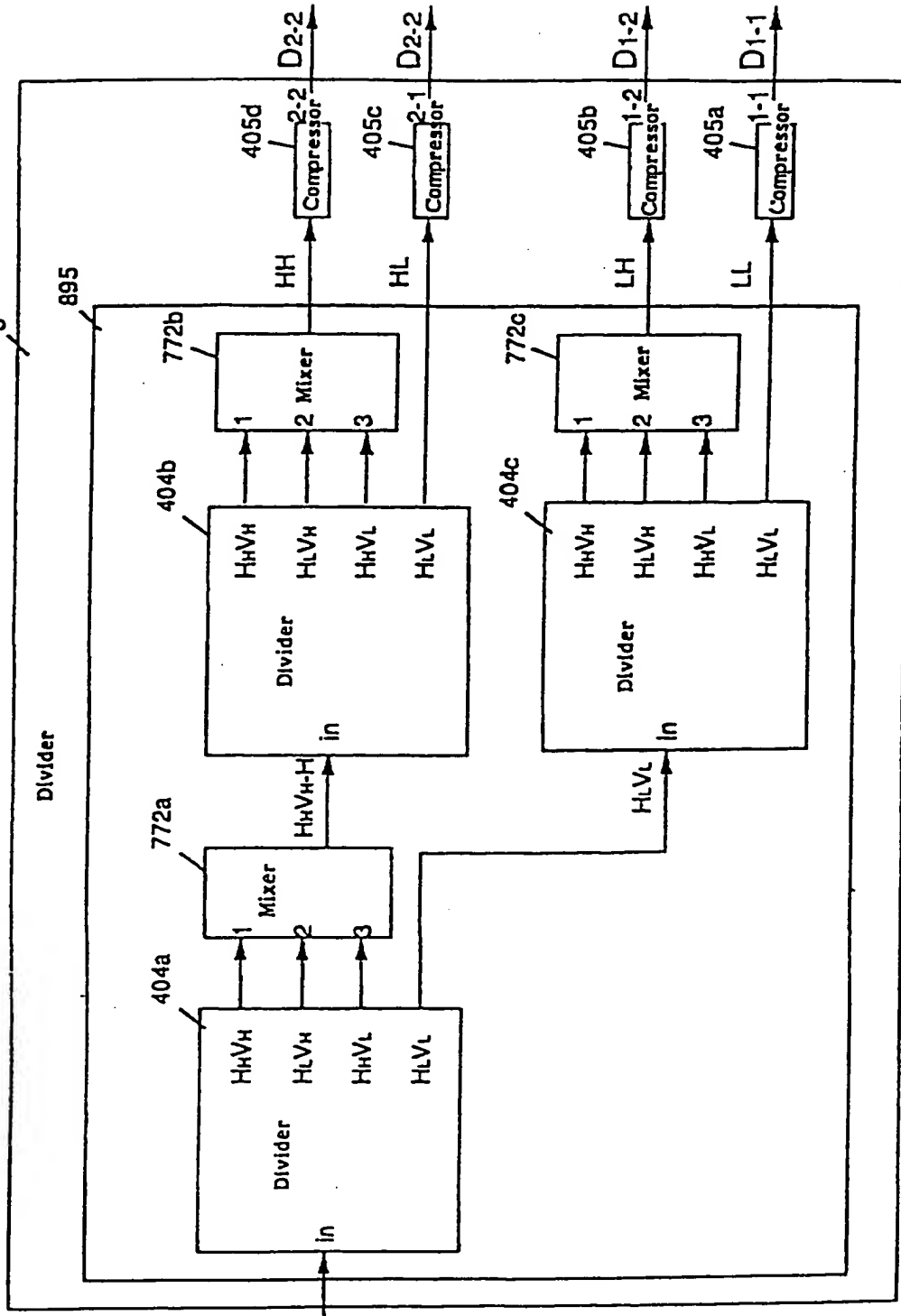
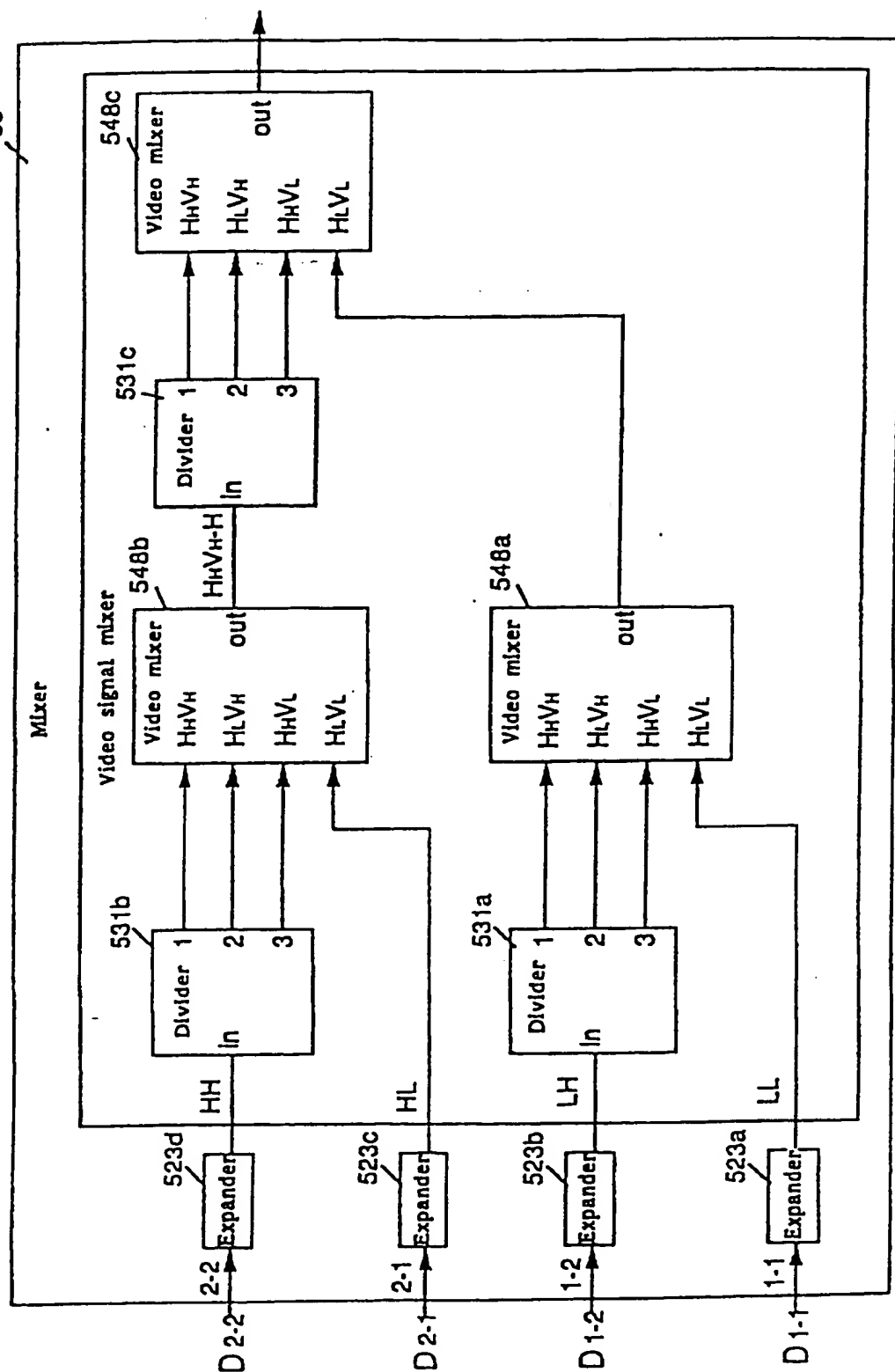
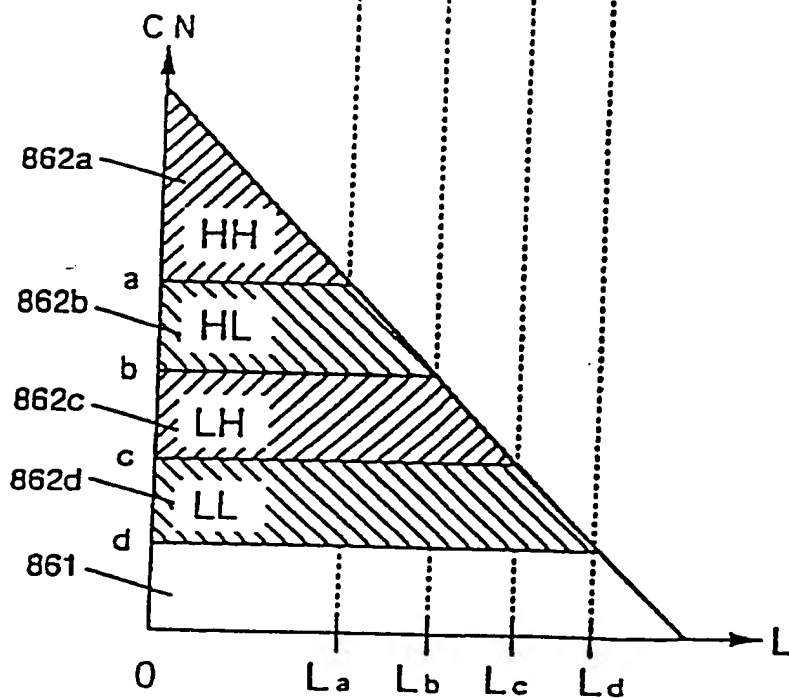
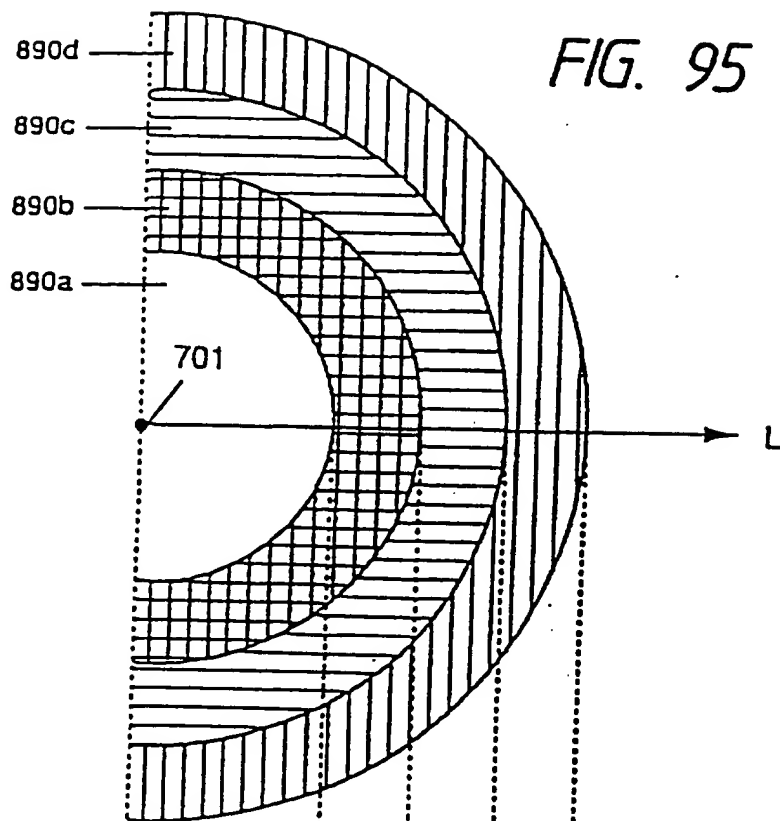


FIG. 94





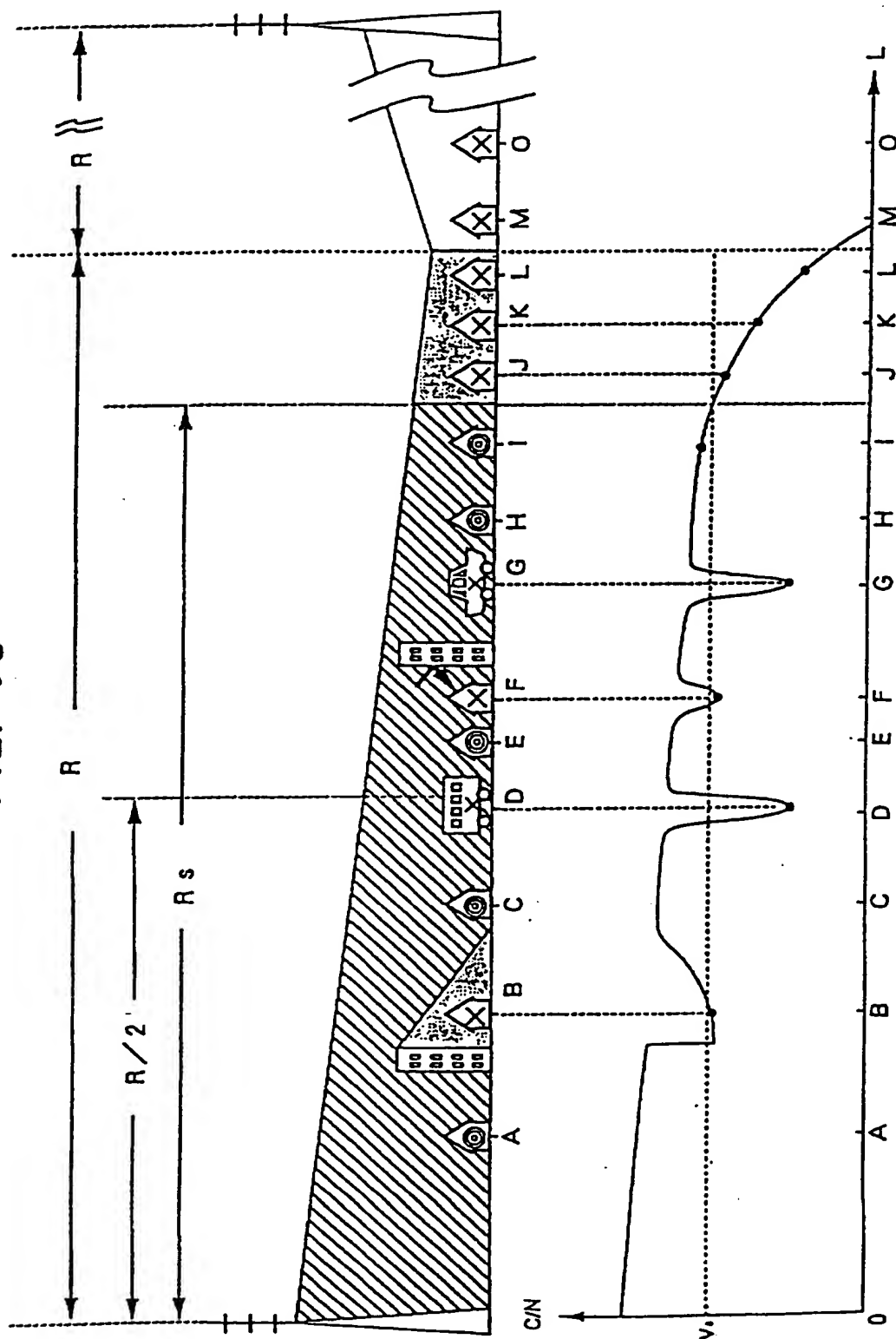
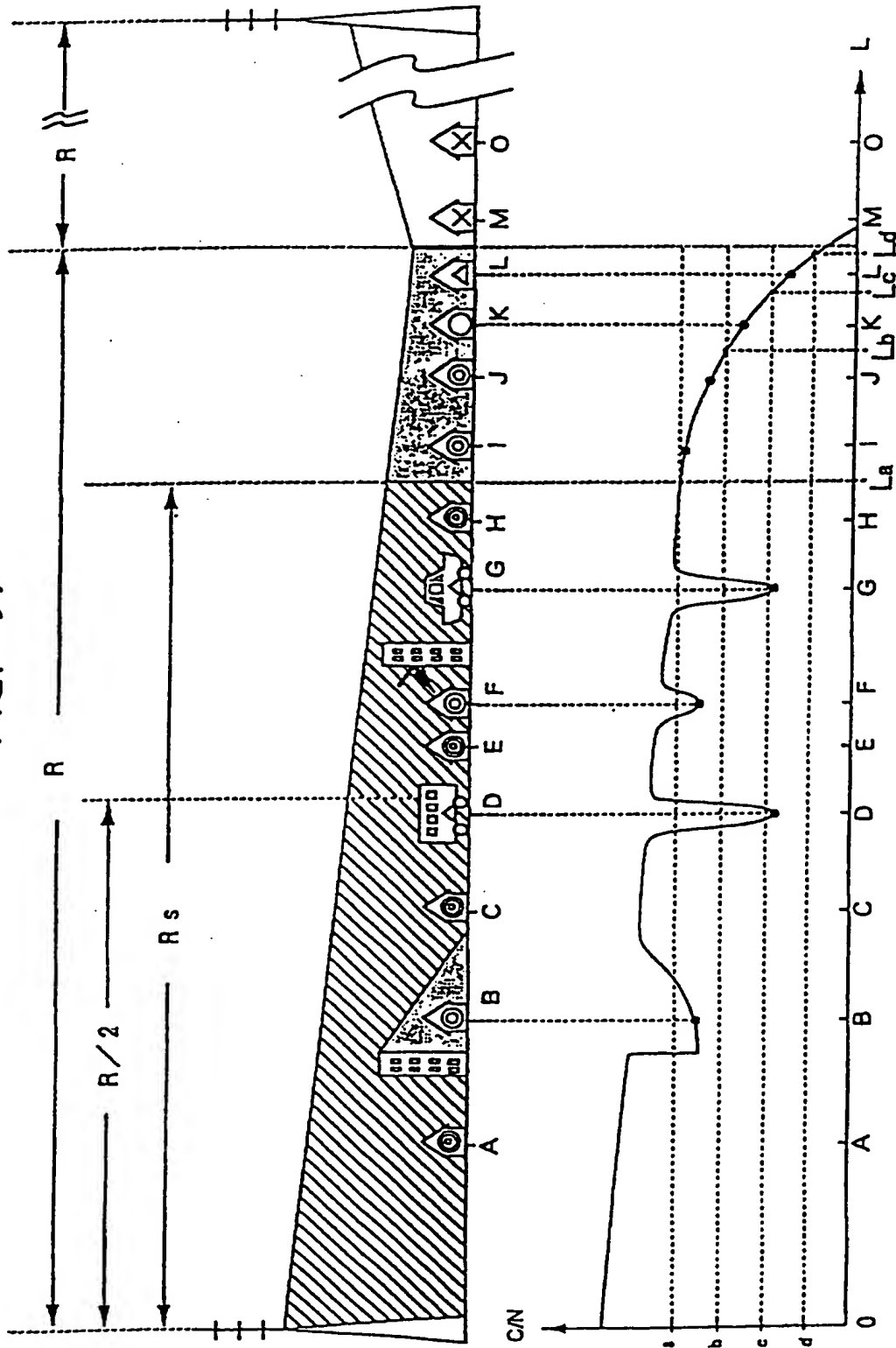
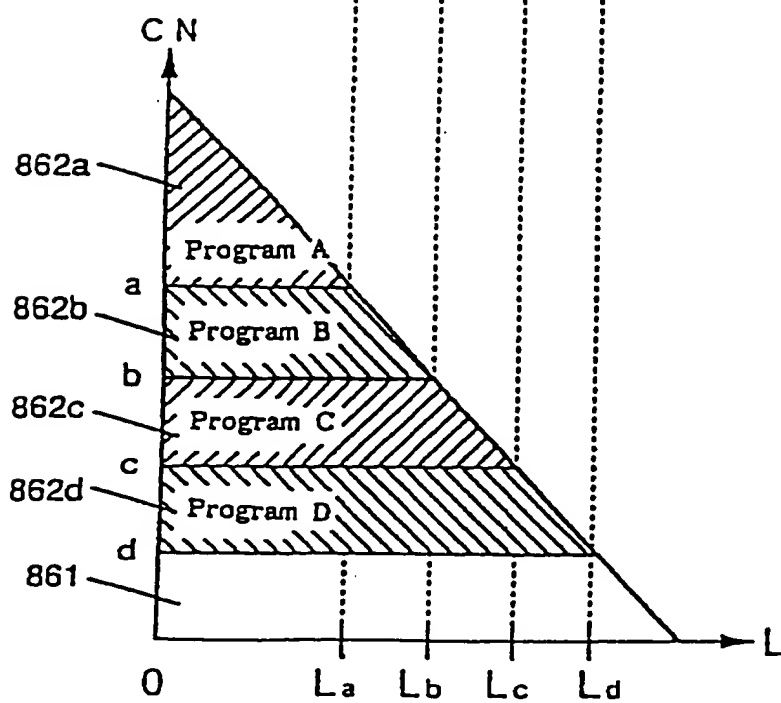
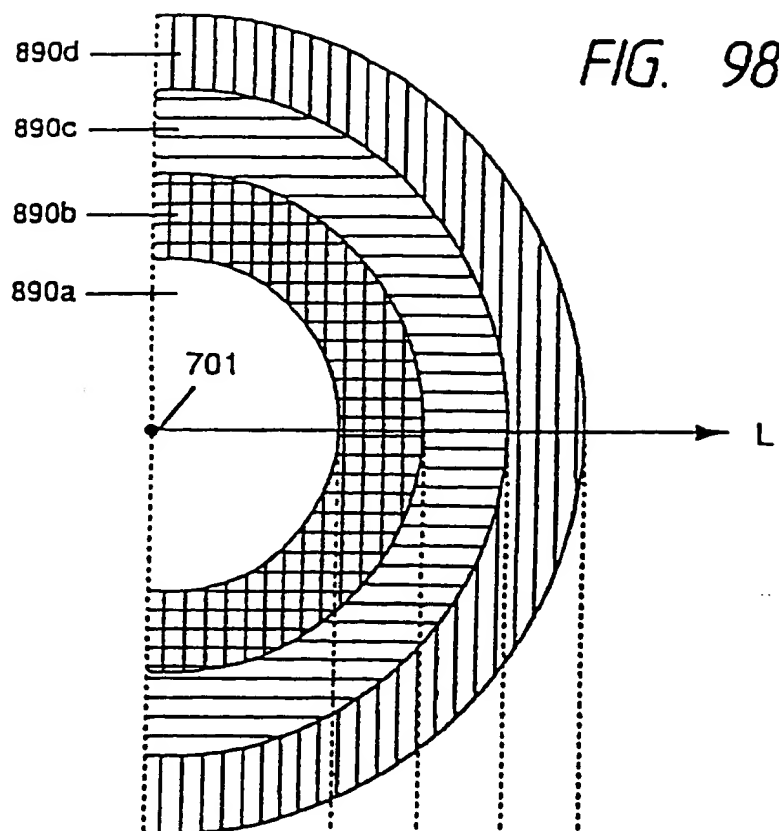


FIG. 97



[illegible]

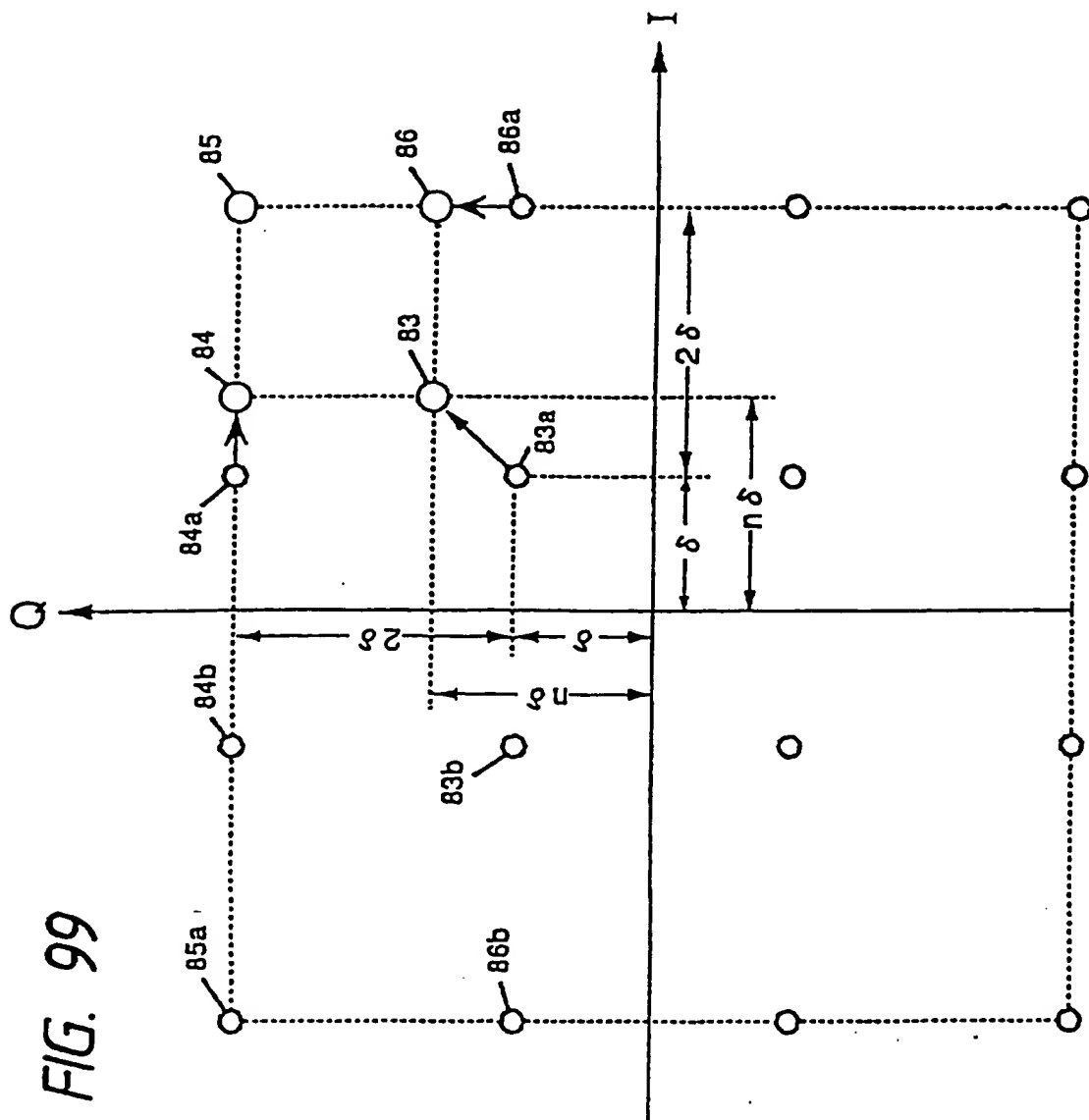


FIG. 99

FIG. 100

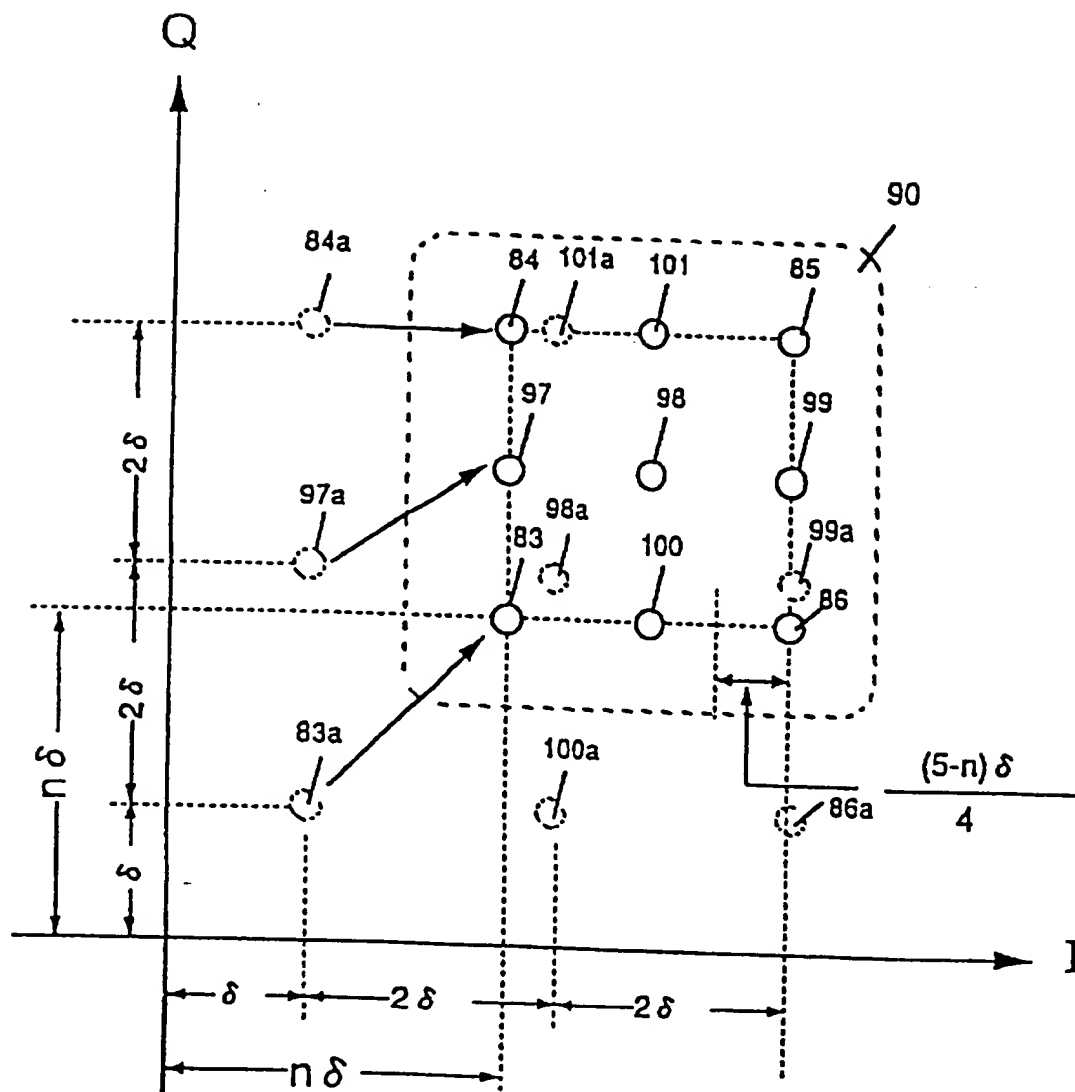
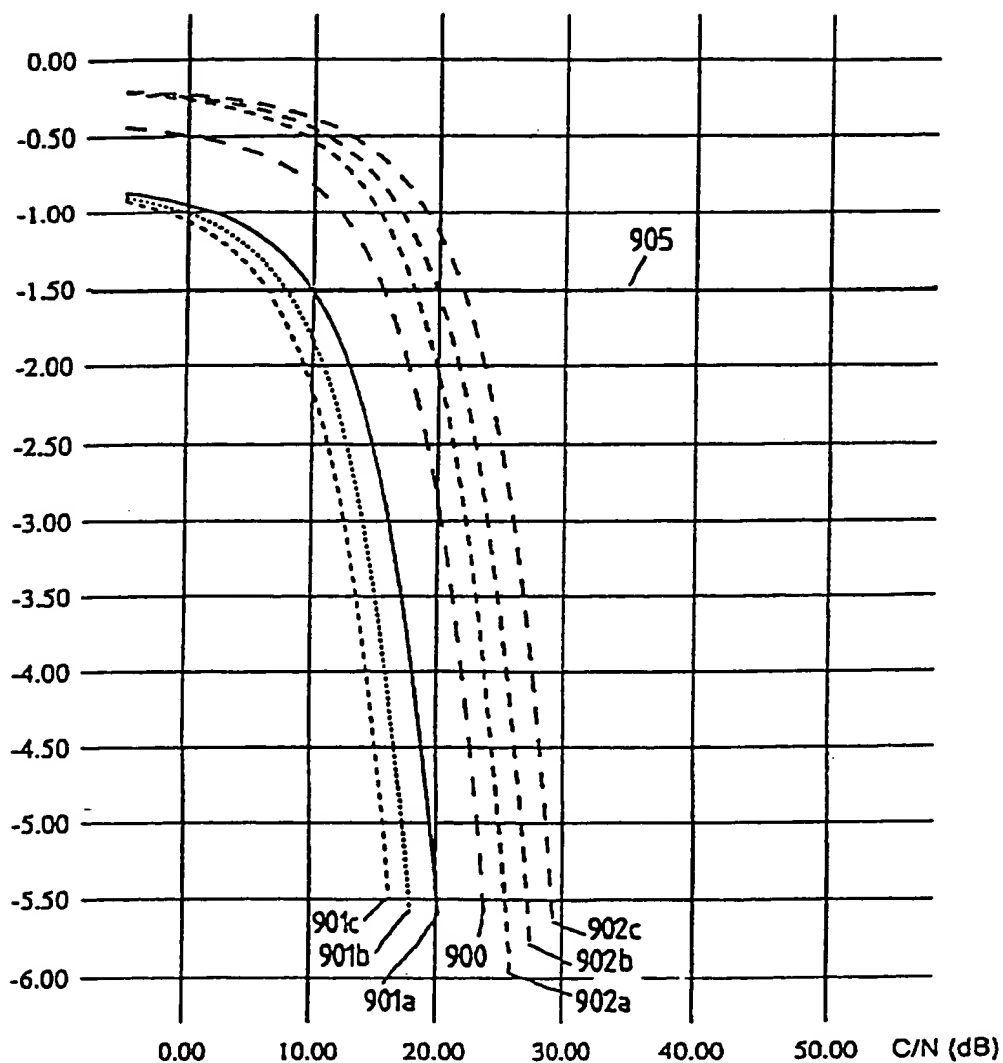




FIG. 101

P<sub>c</sub>

**THE UNIVERSITY OF CHICAGO**

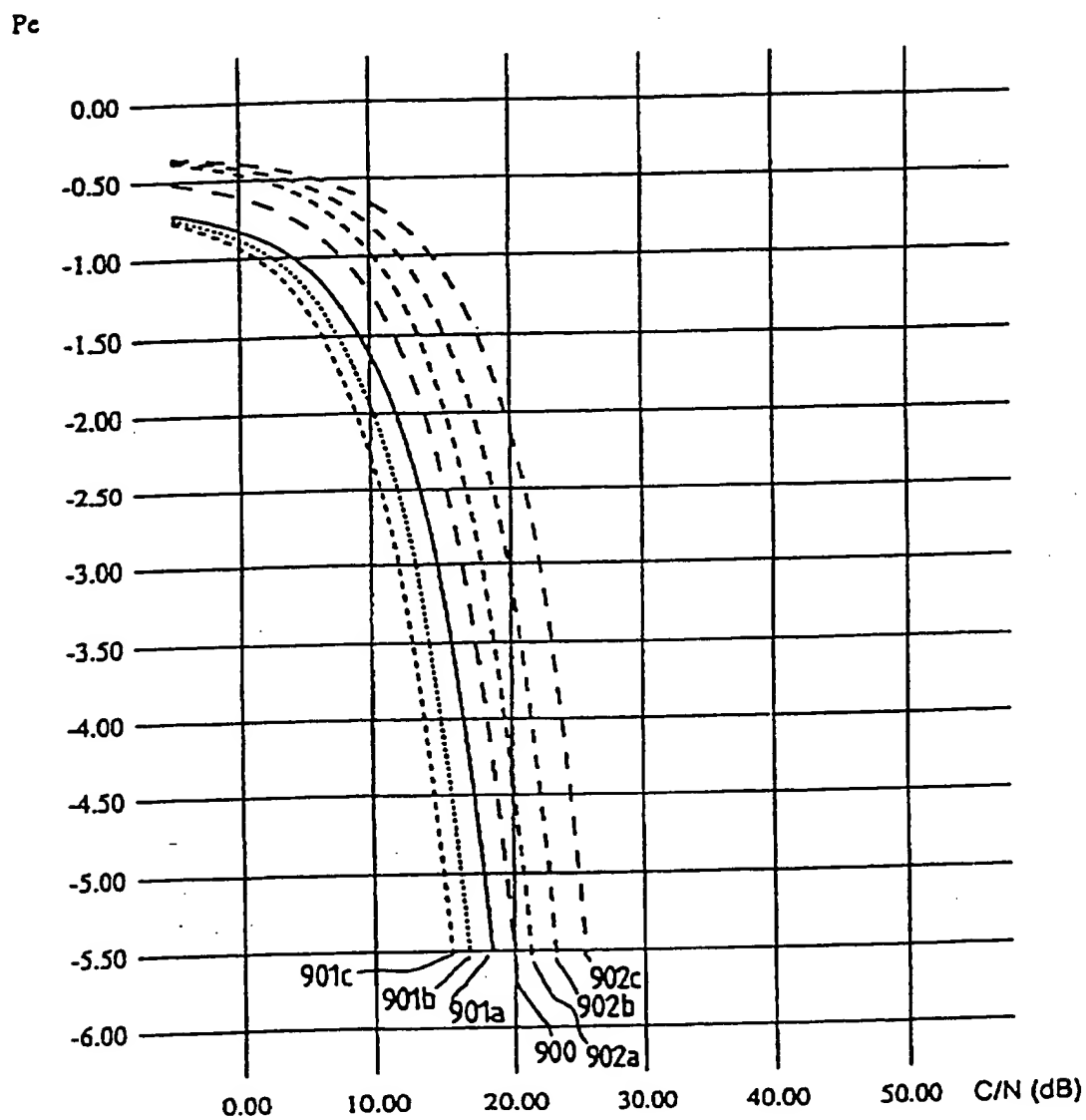


FIG. 103

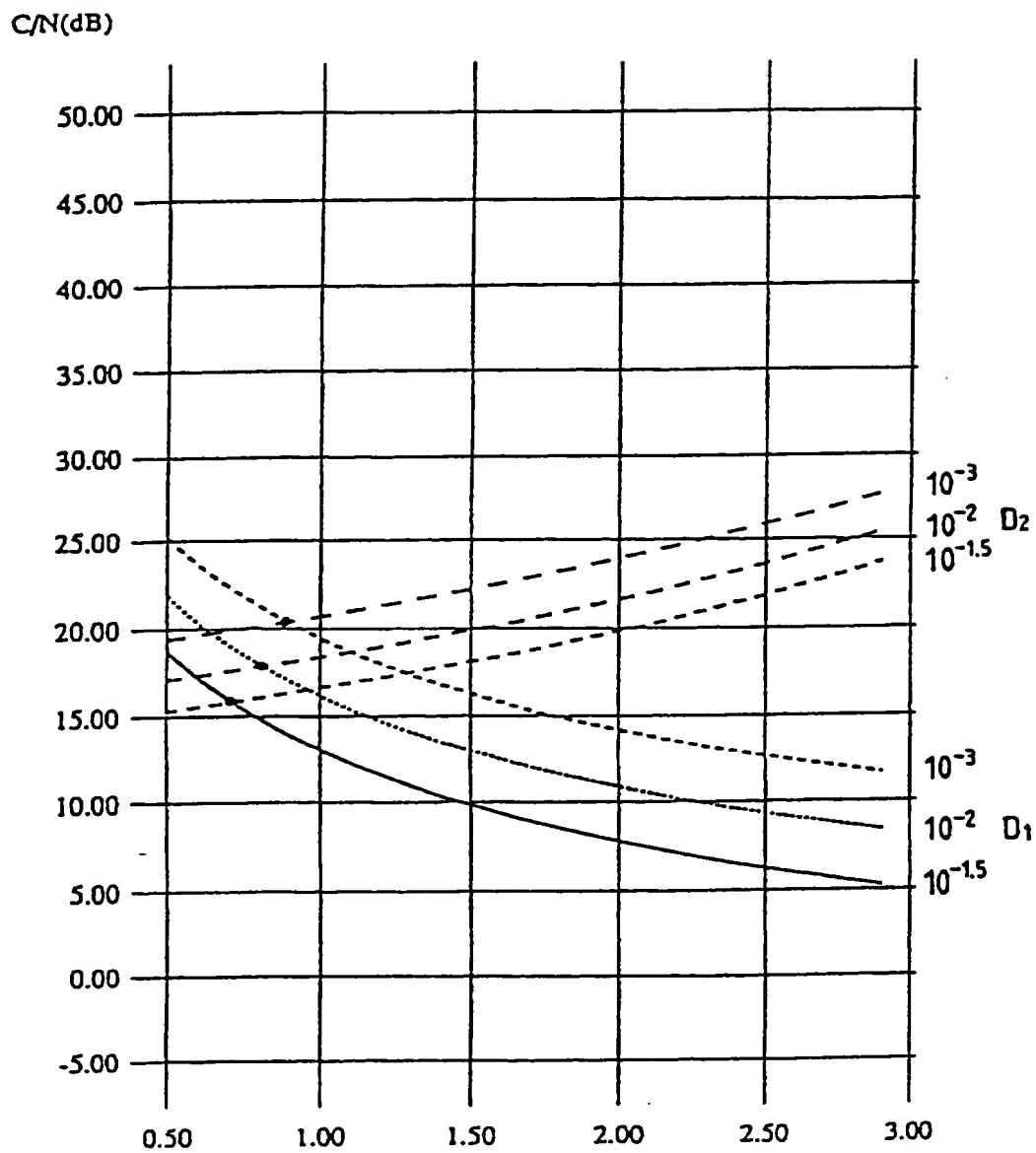
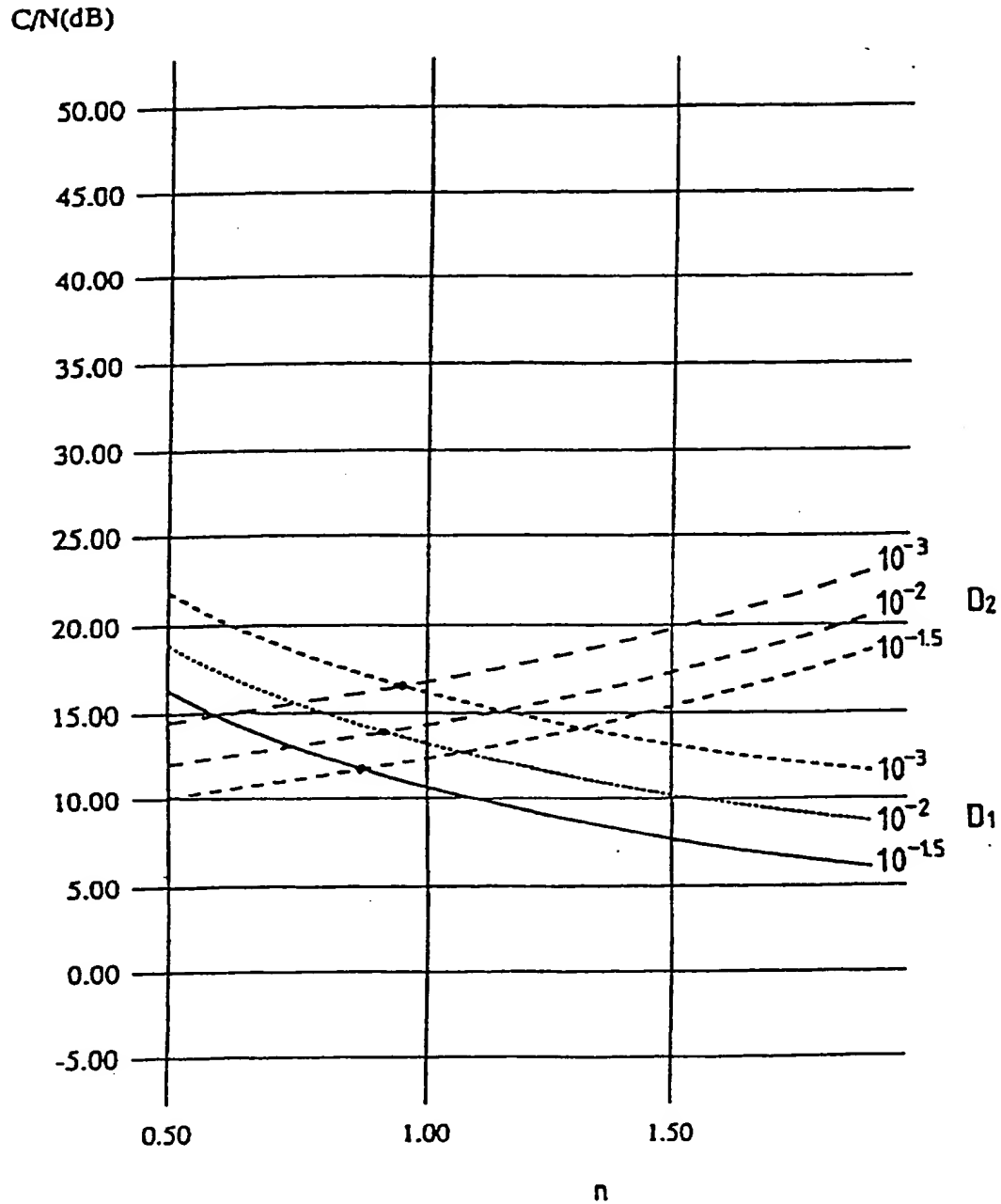
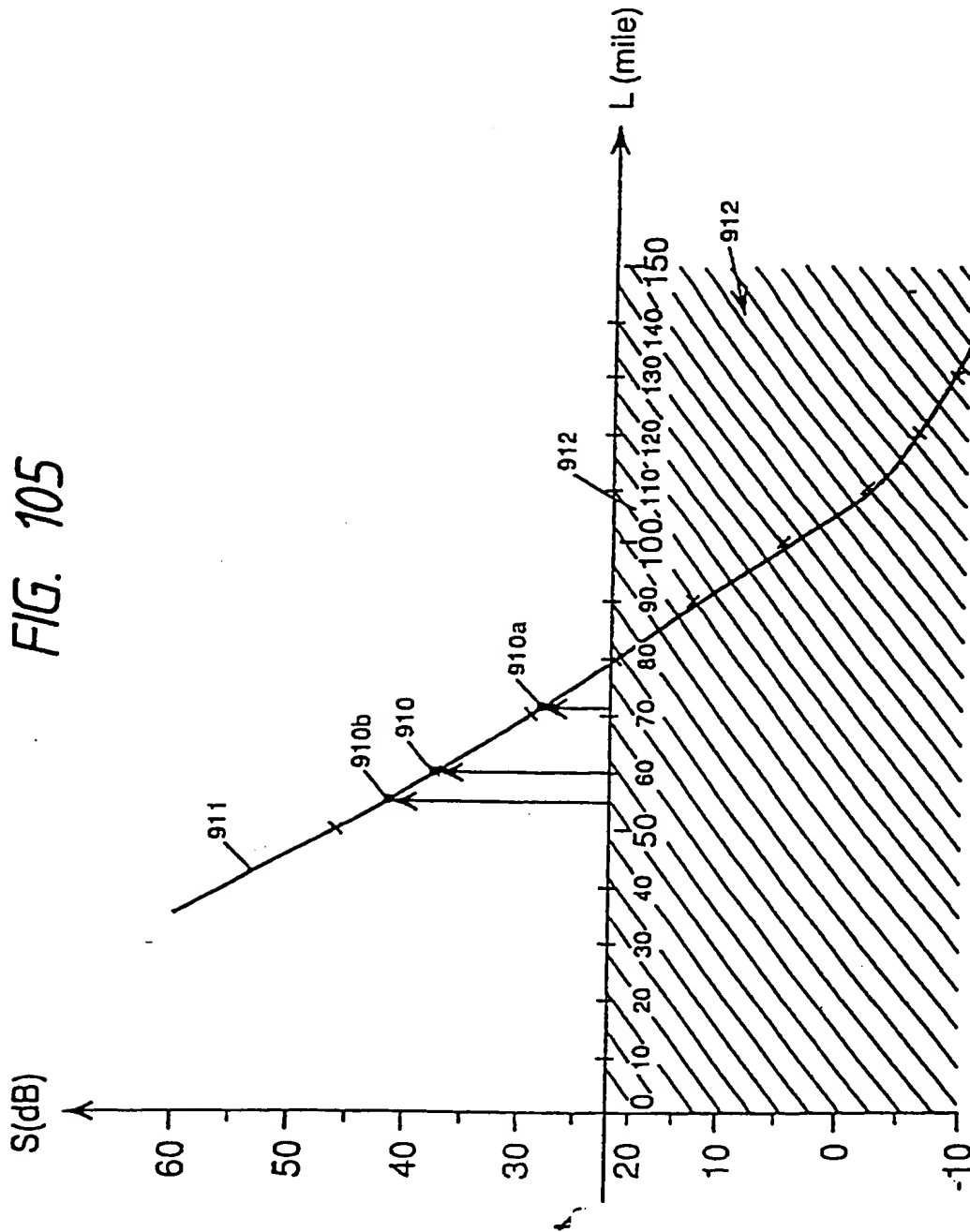


FIG. 104





000227 890071250

FIG. 106

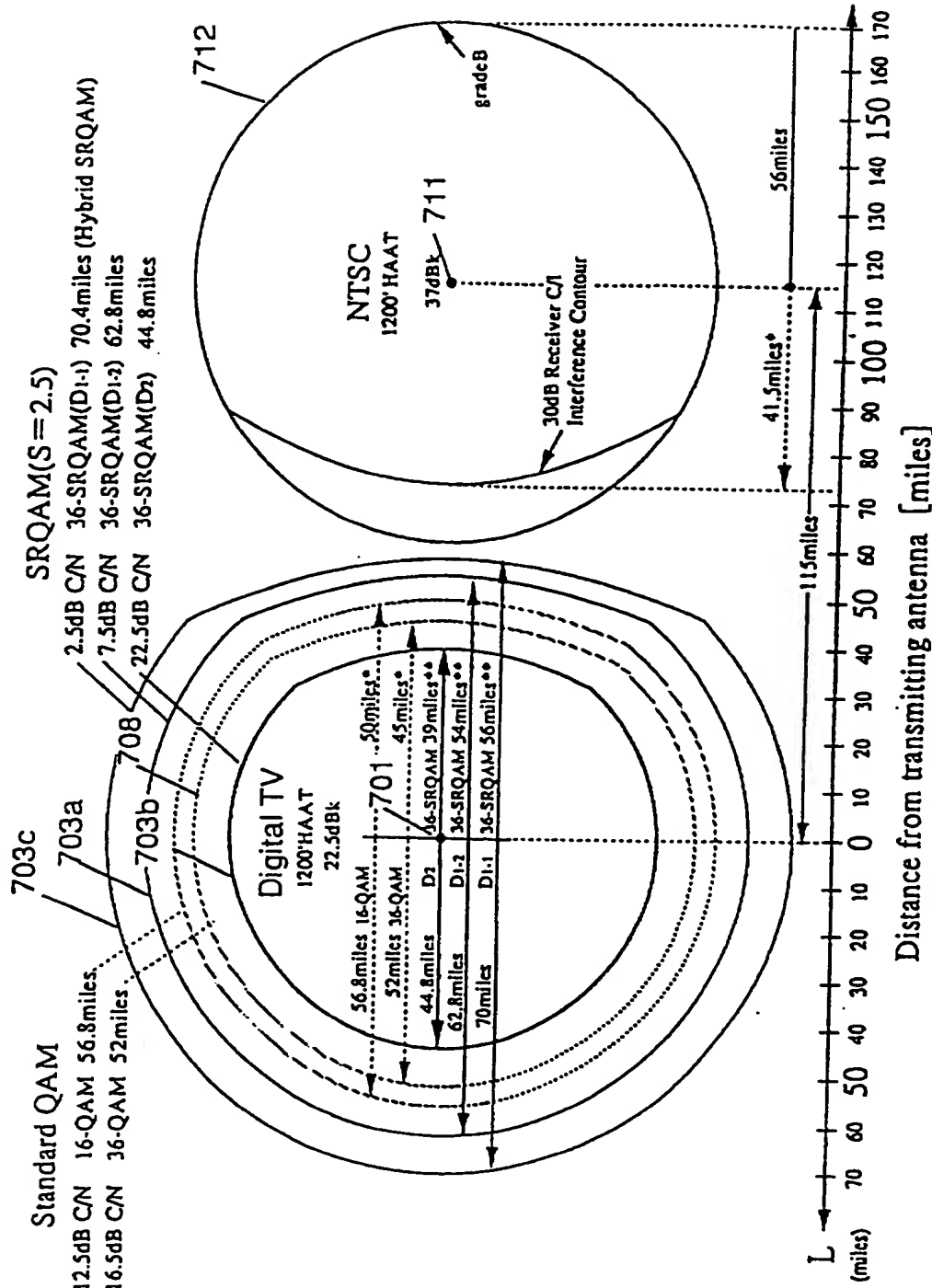


FIG. 107

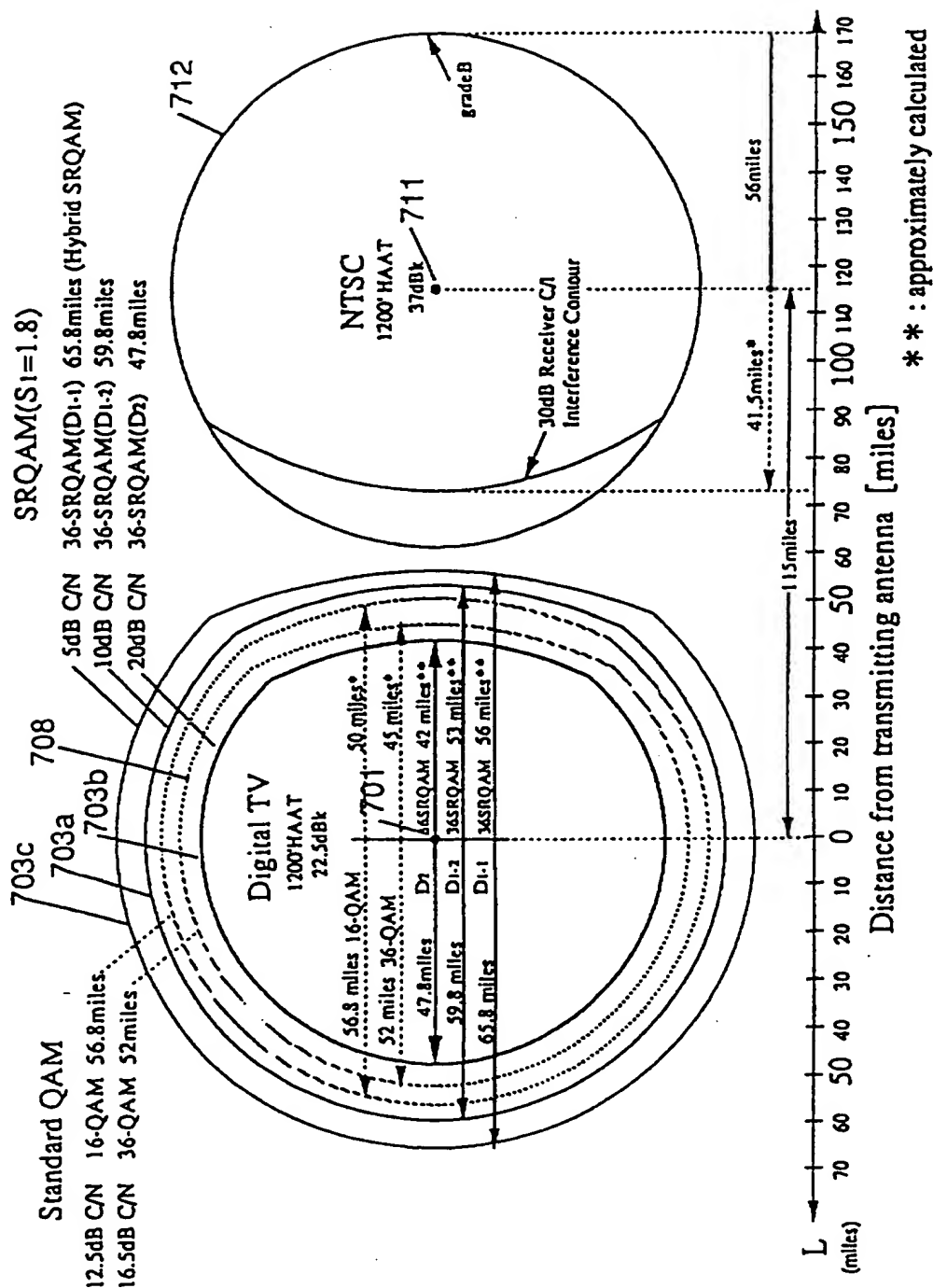


FIG. 108(a)

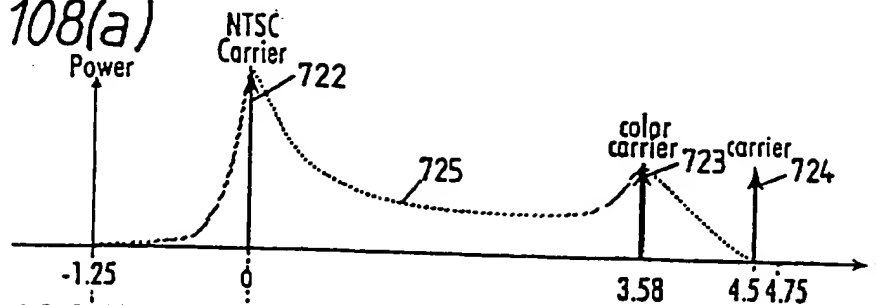


FIG. 108(b)

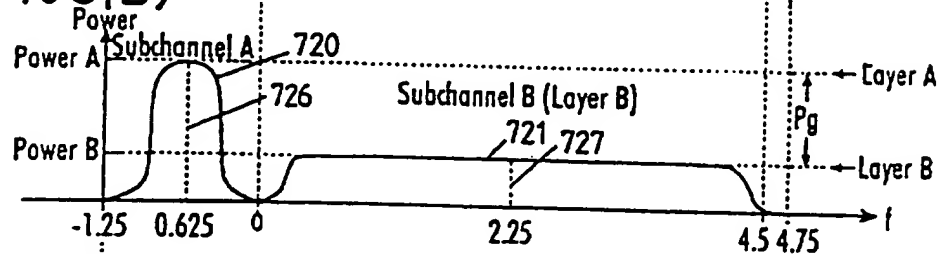


FIG. 108(c)

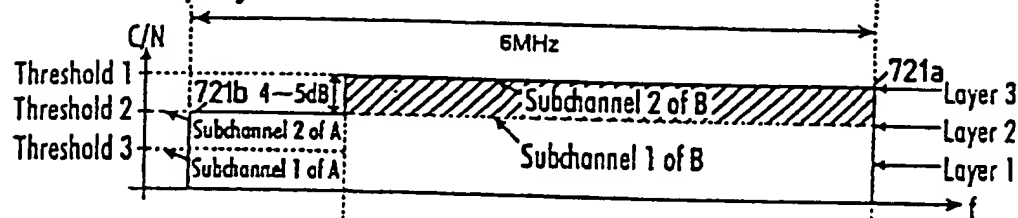


FIG. 108(d)

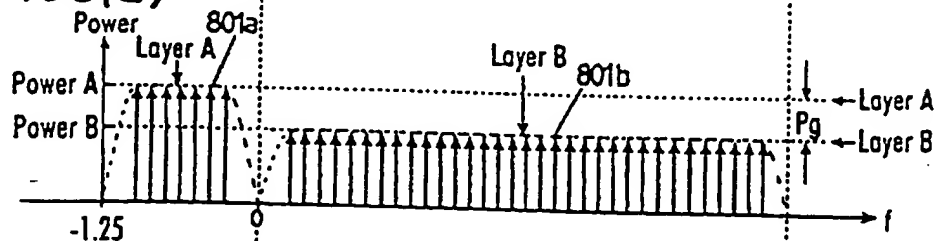
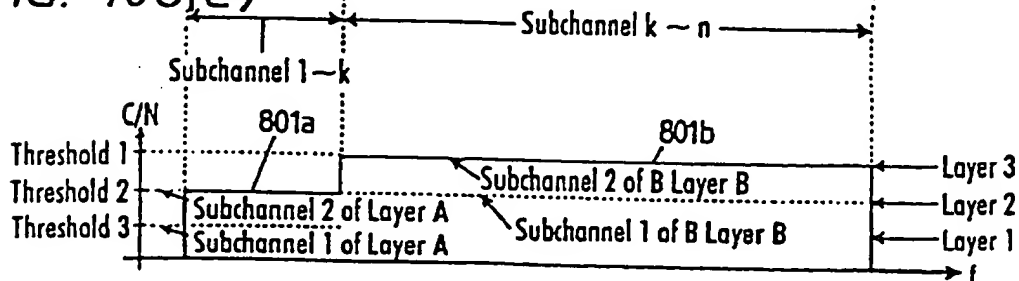


FIG. 108(e)





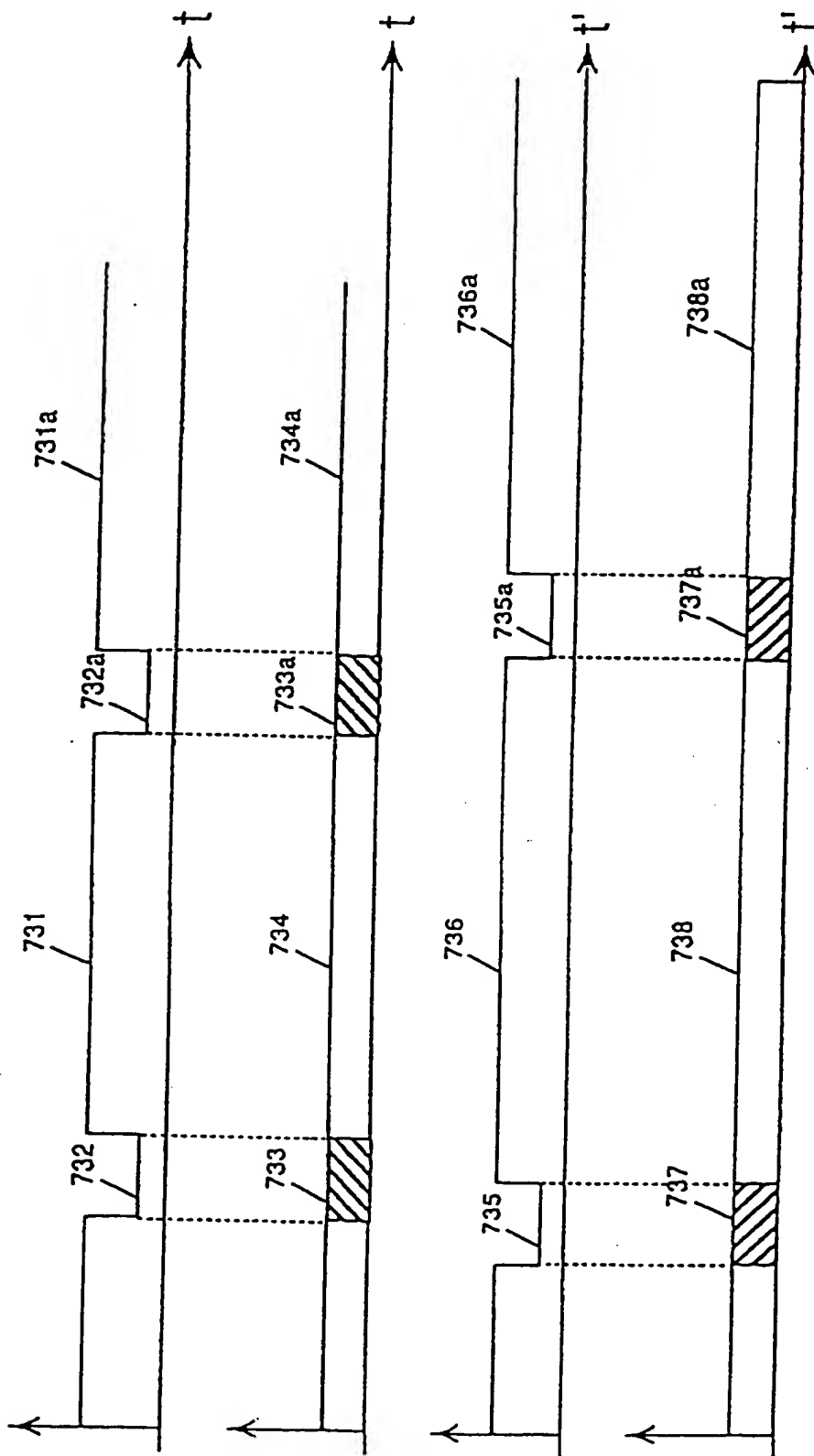


FIG. 110

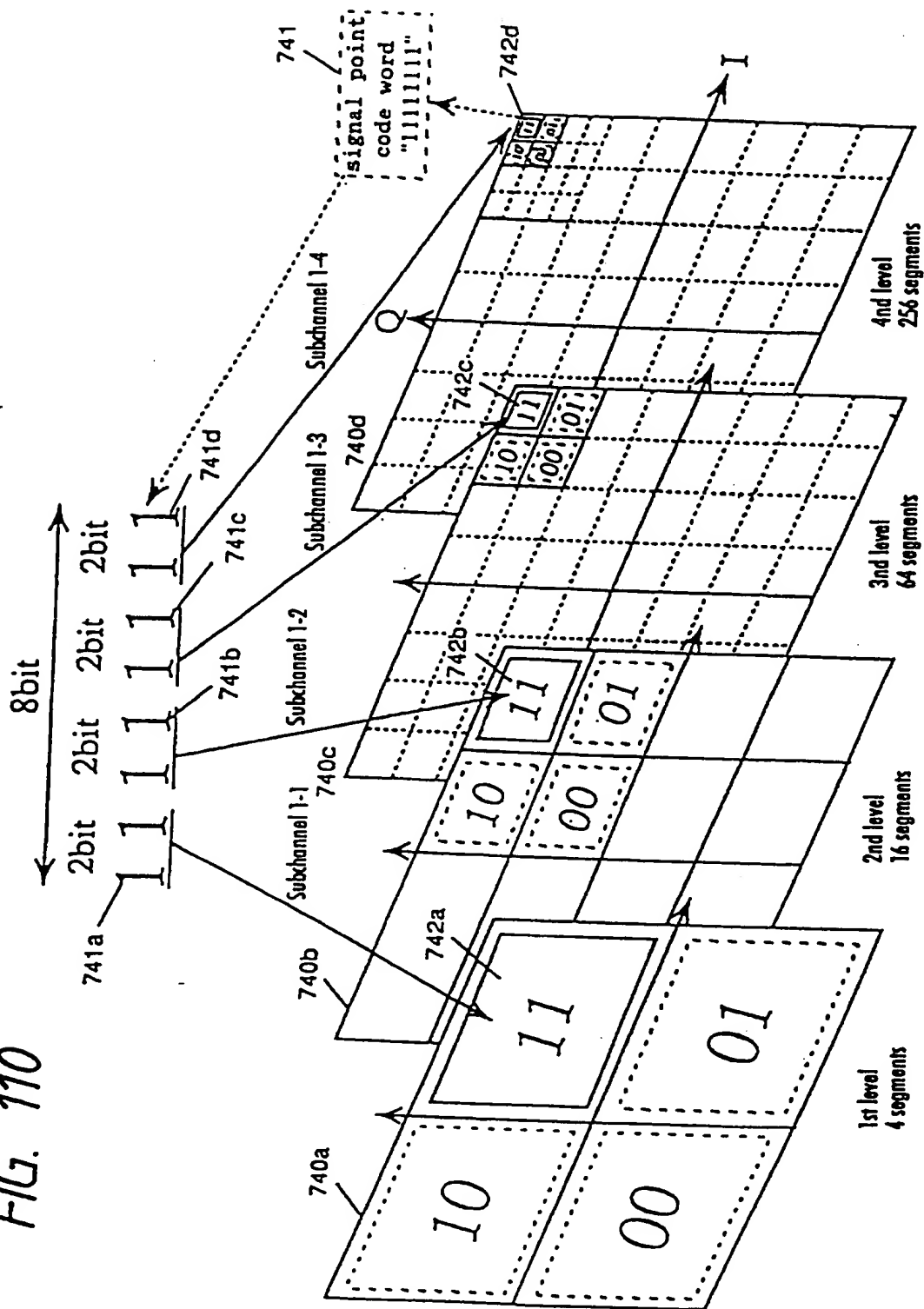


FIG. 111

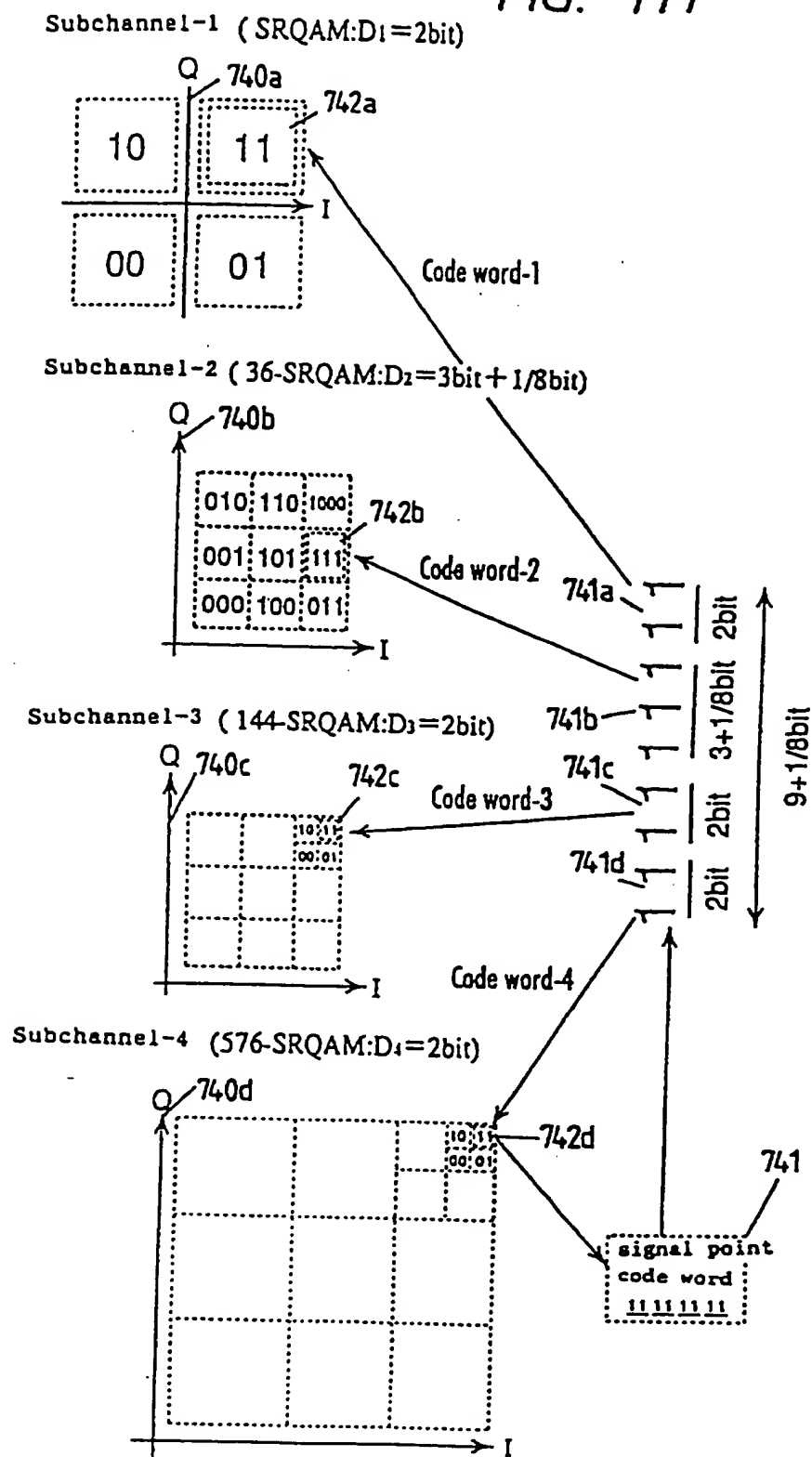
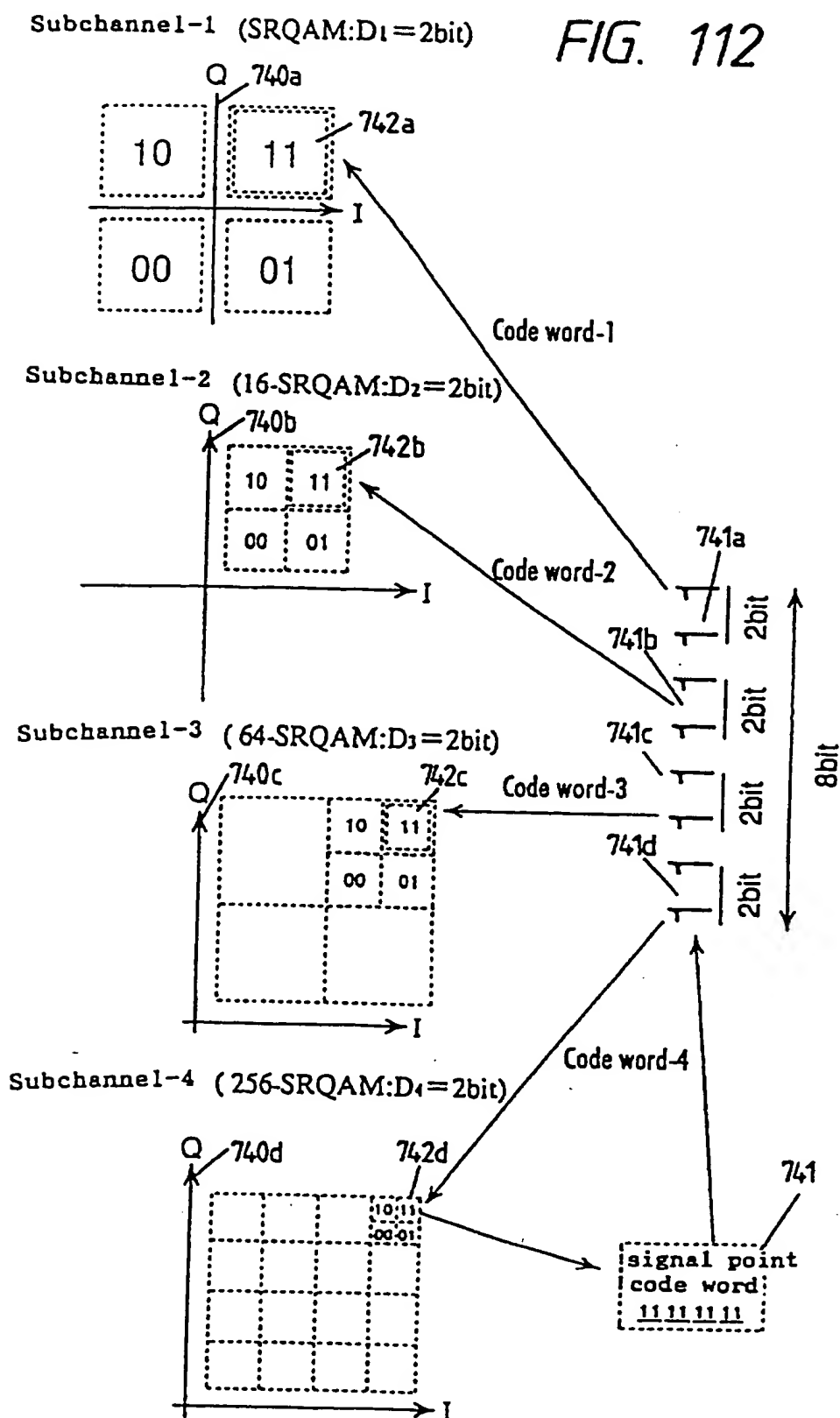
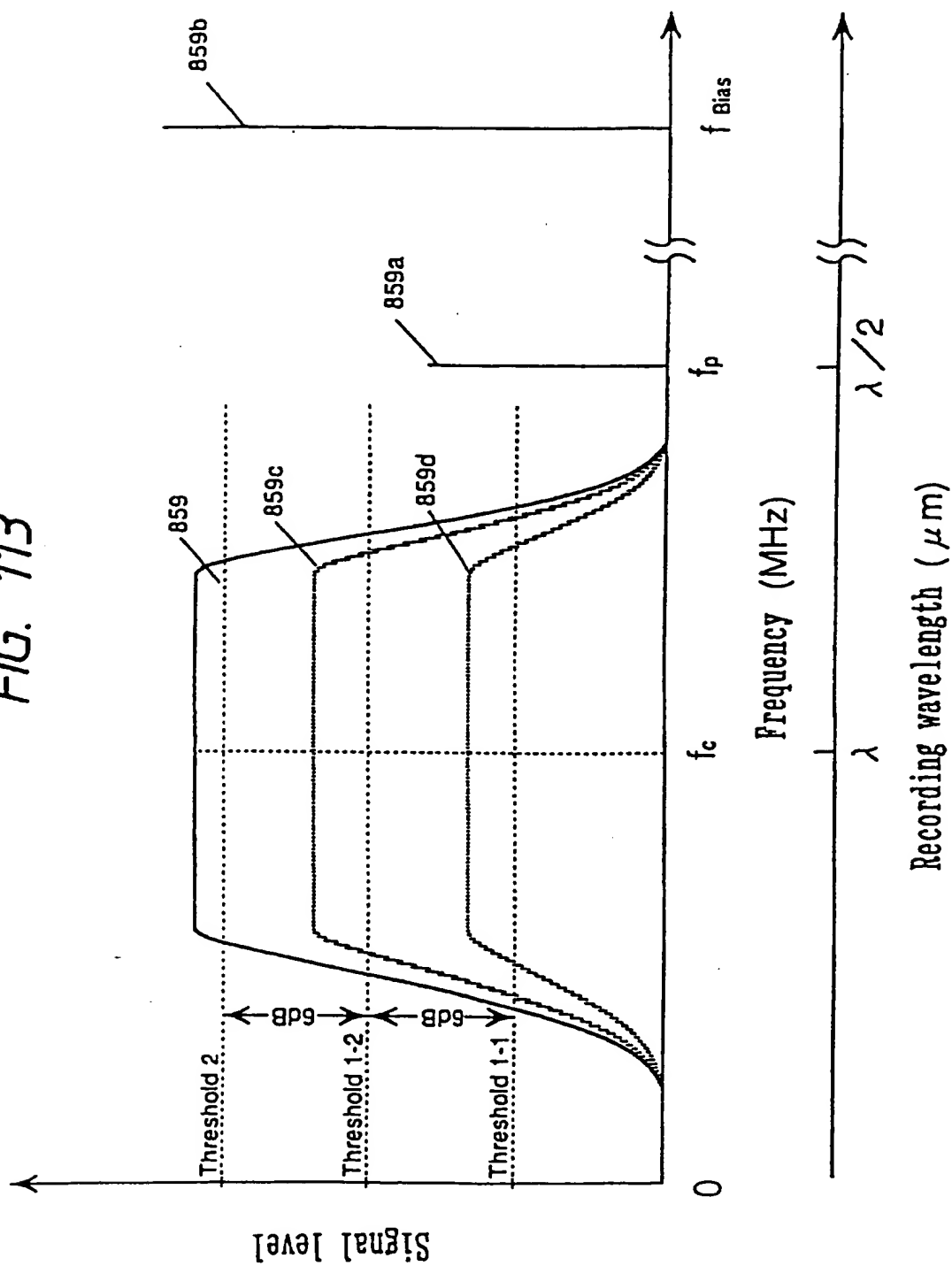
[illegible]

FIG. 112



000227-39007460

FIG. 113



DocId: 3507260

FIG. 114

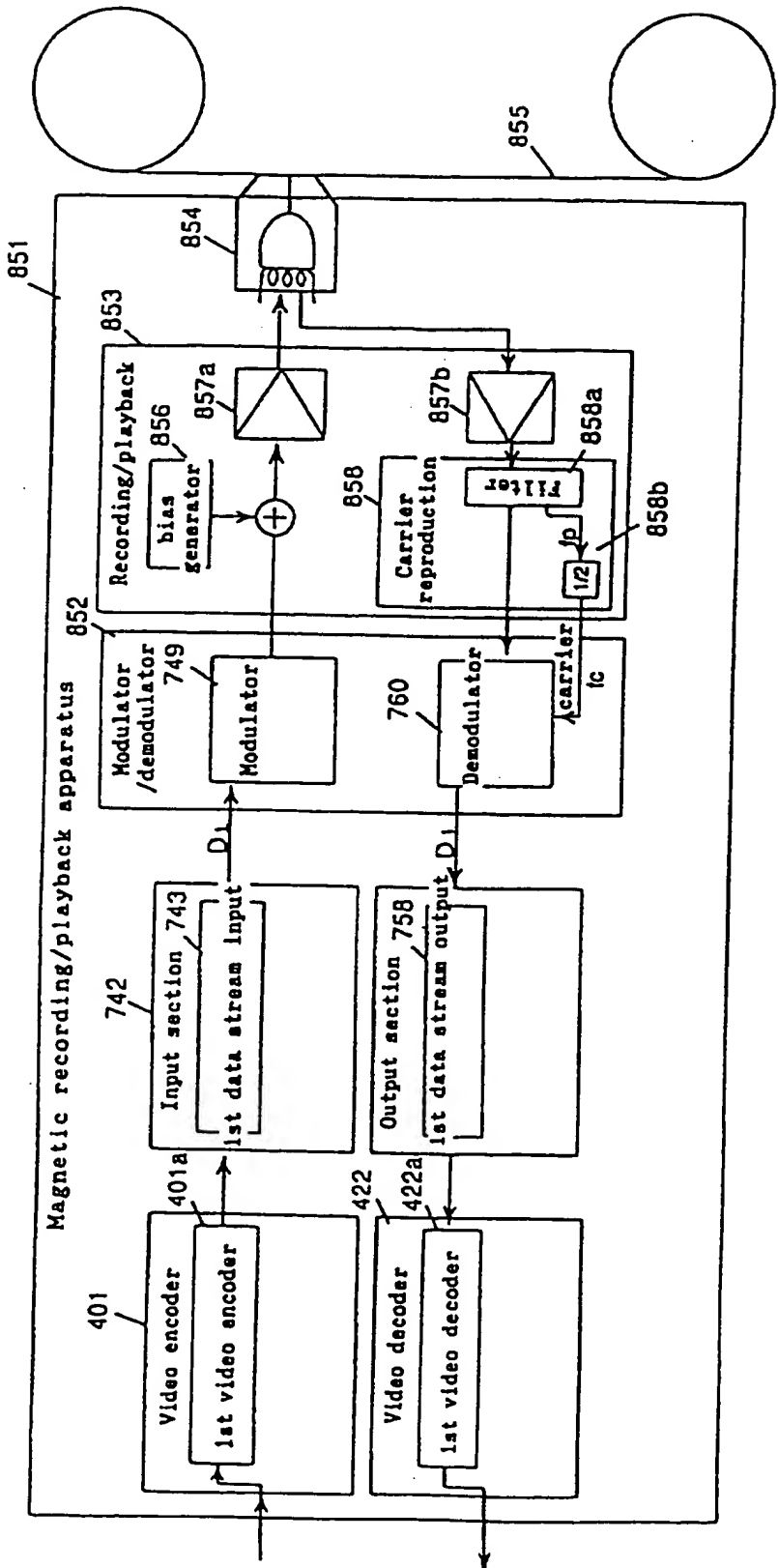


FIG. 115

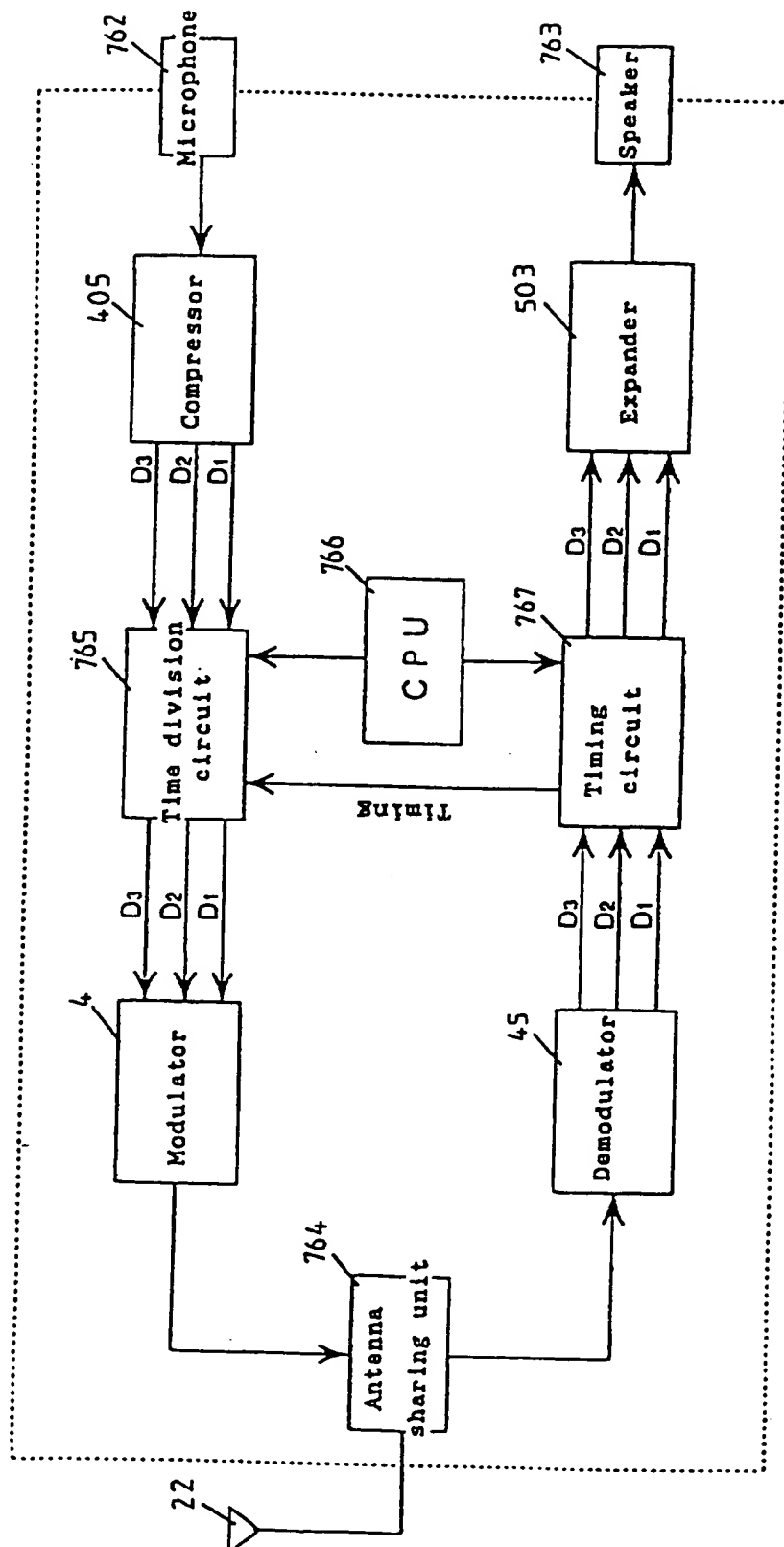


FIG. 116

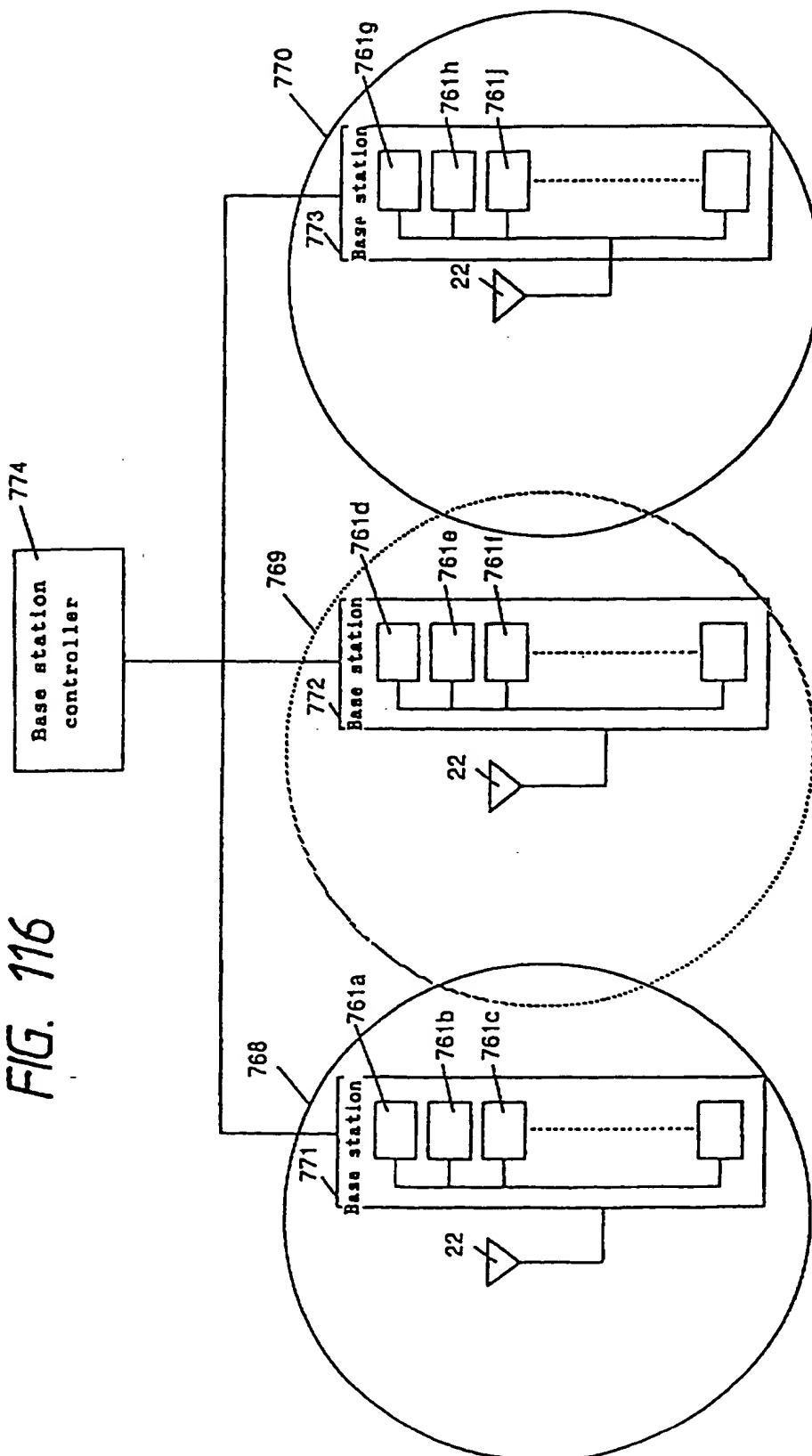
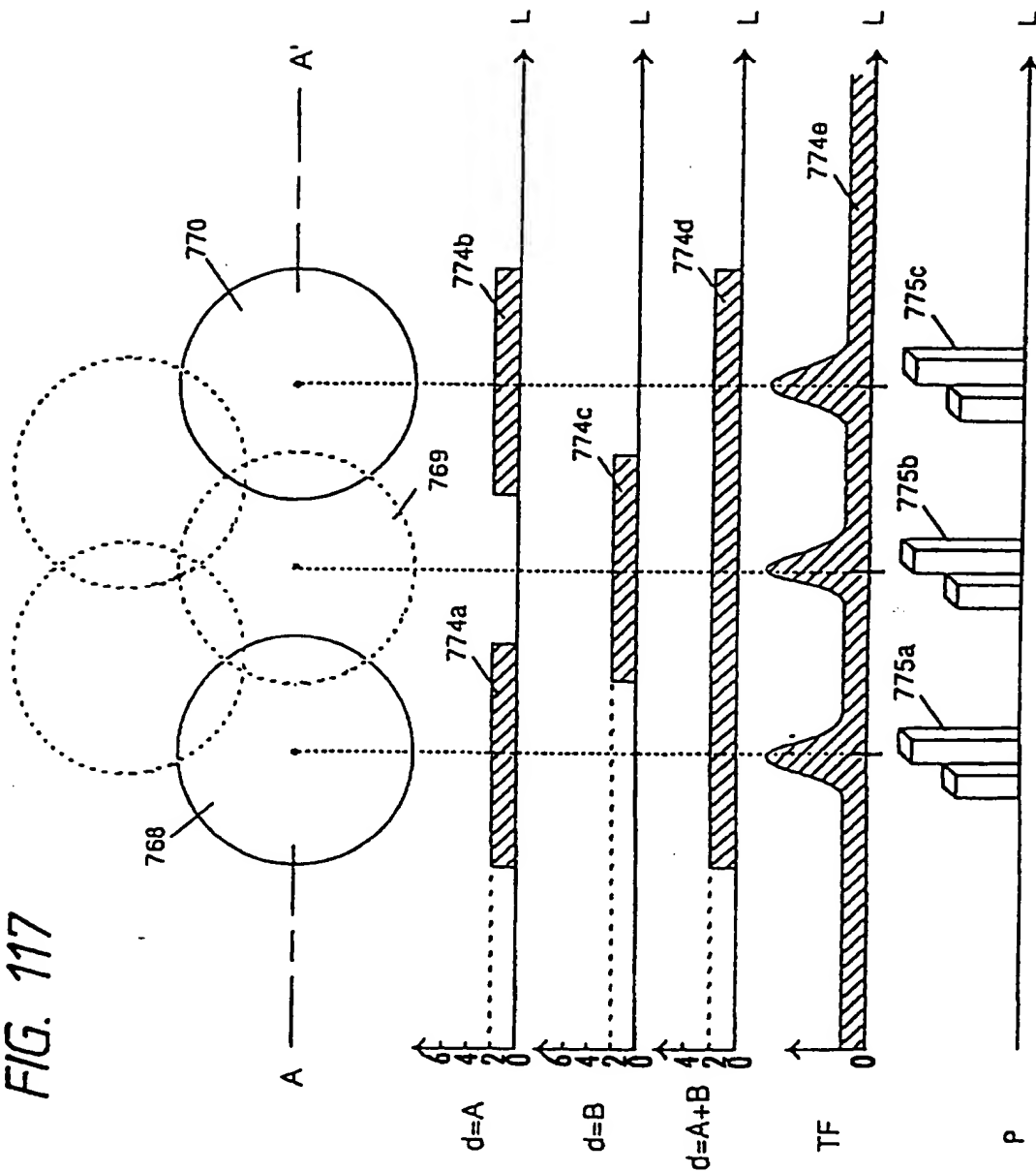




FIG. 117



Sheet 117 of 174

FIG. 118

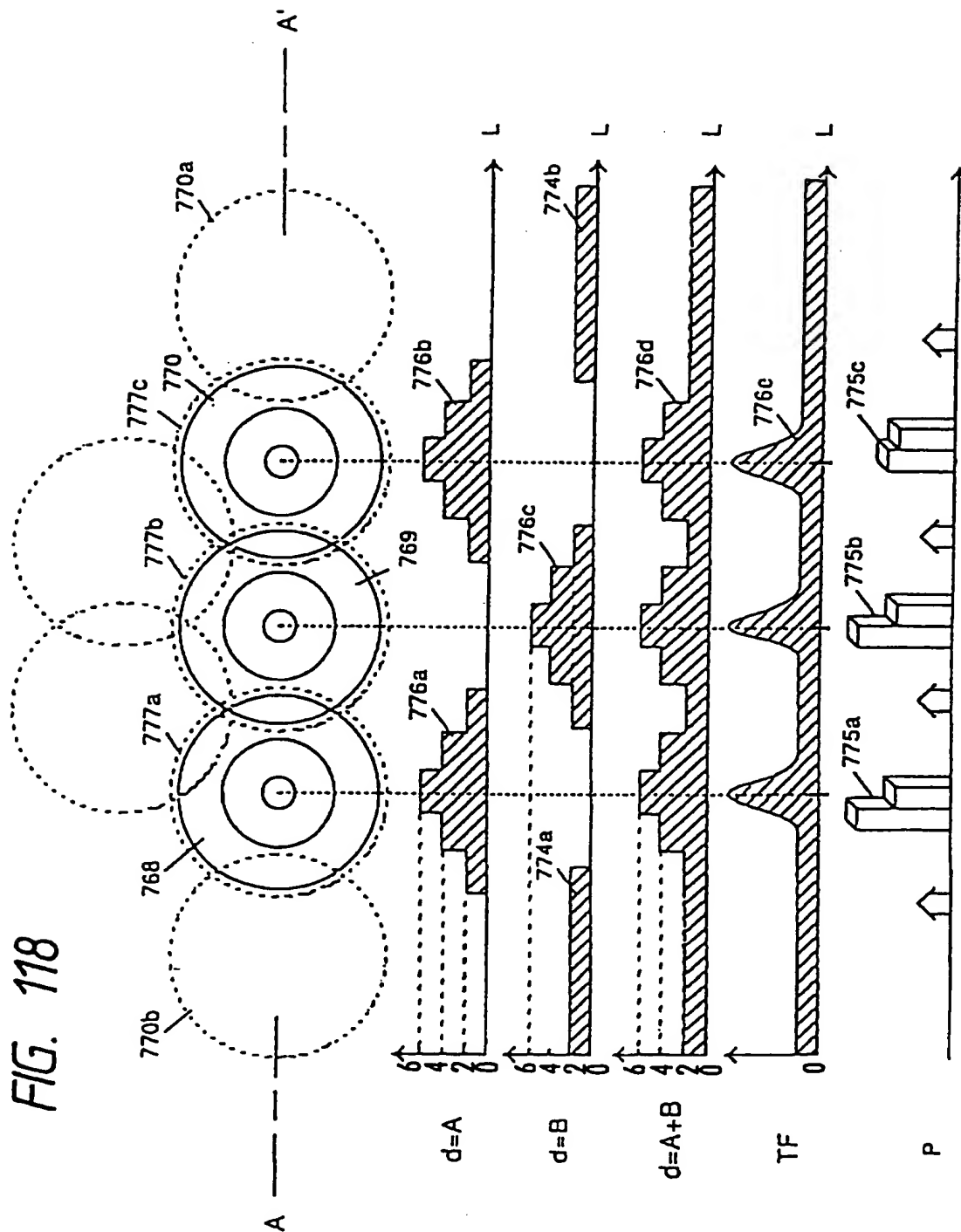


FIG. 119(a)

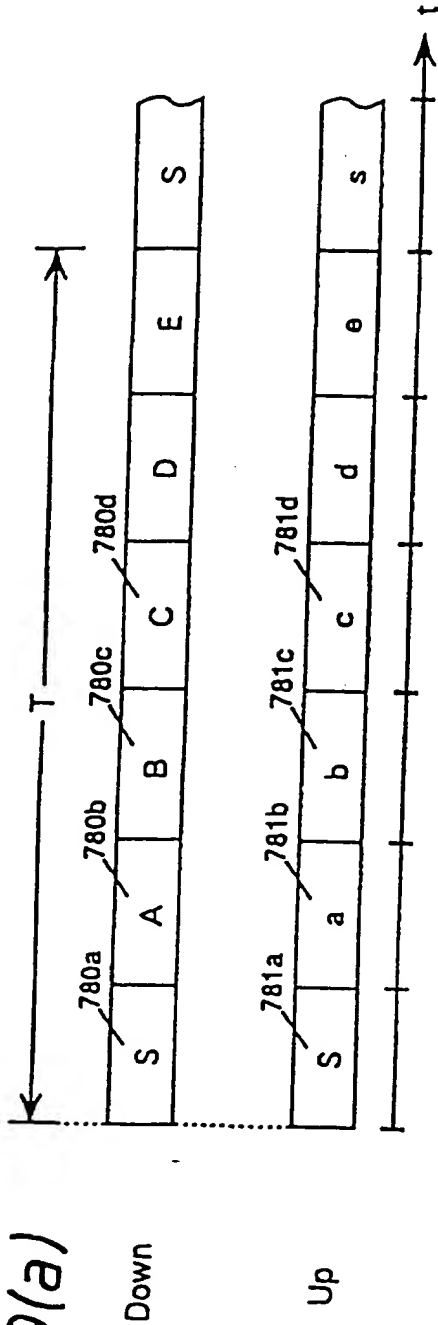


FIG. 119(b)

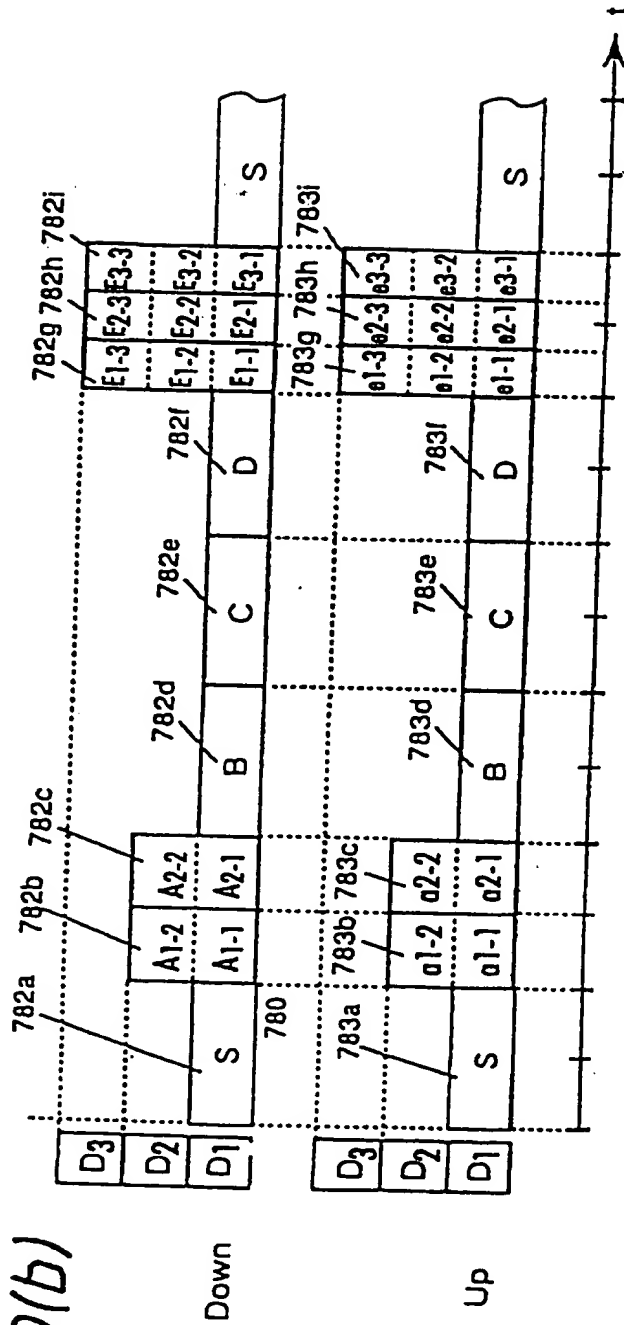


FIG. 120(a)

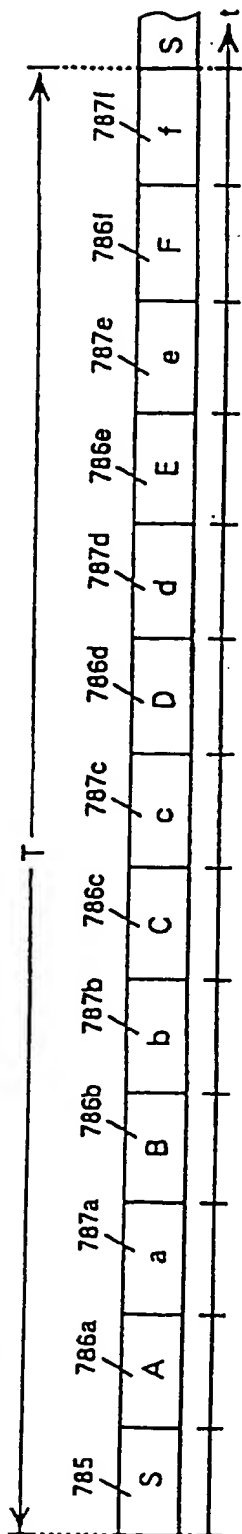


FIG. 120(a)

FIG. 120(b)

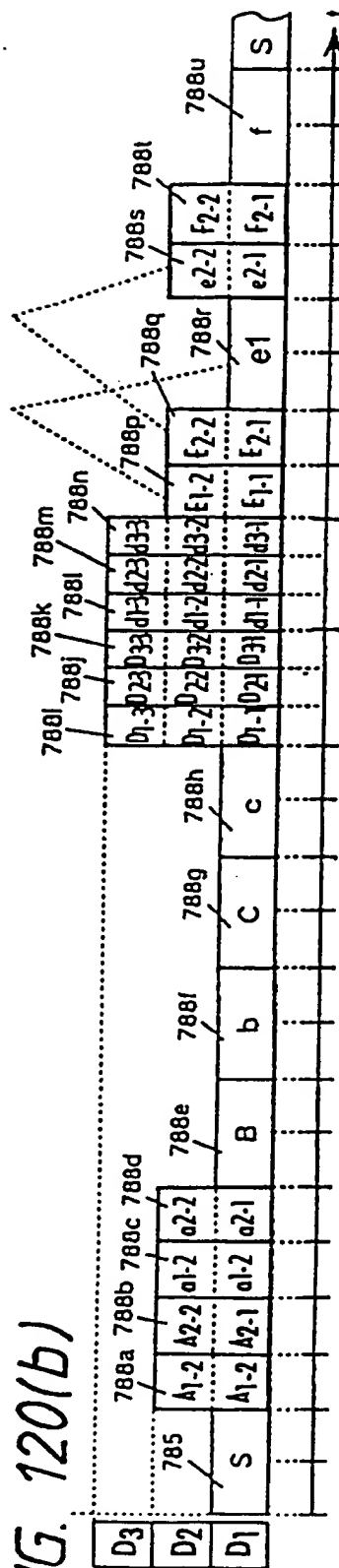


FIG. 121

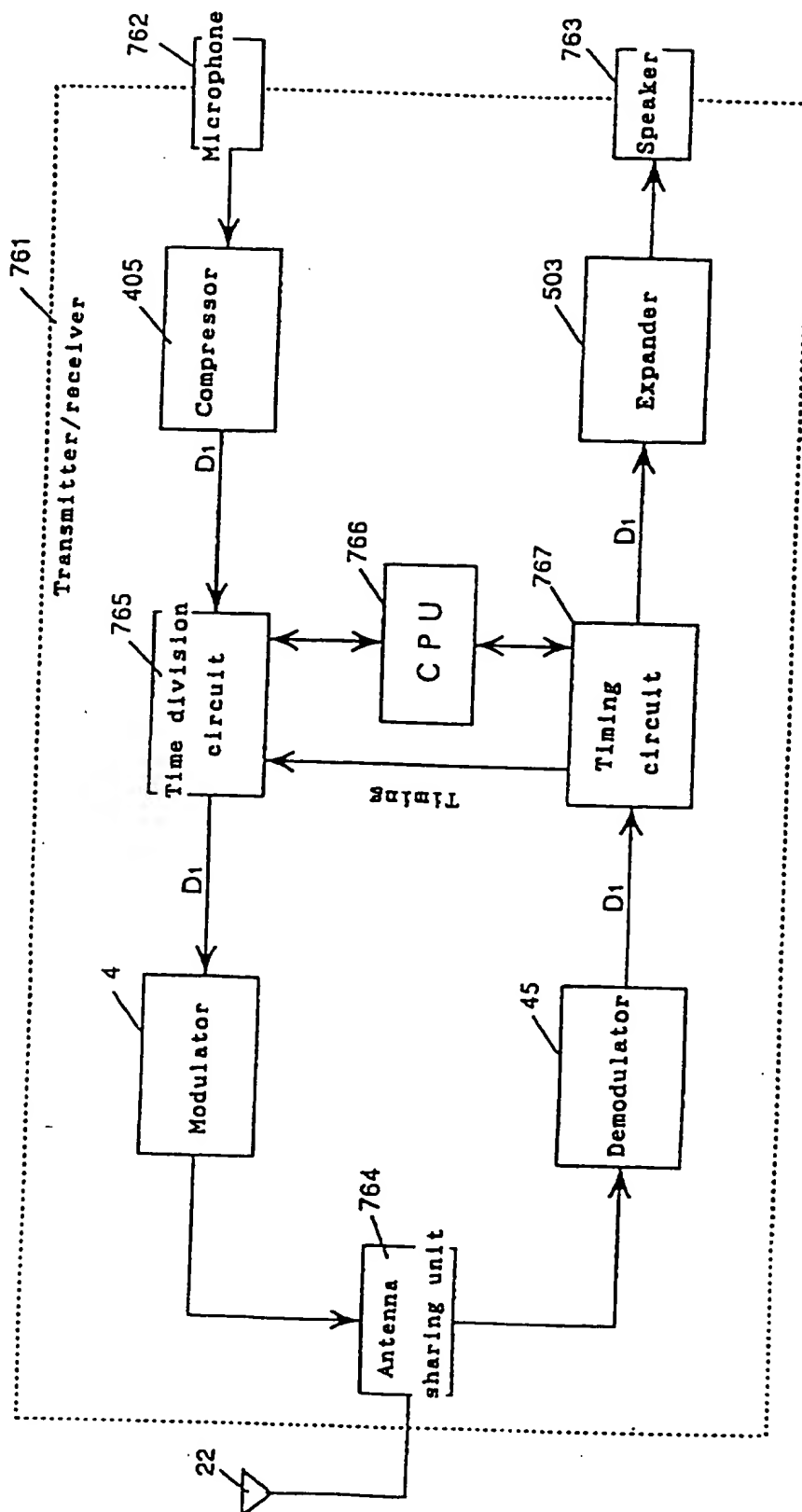


FIG. 122

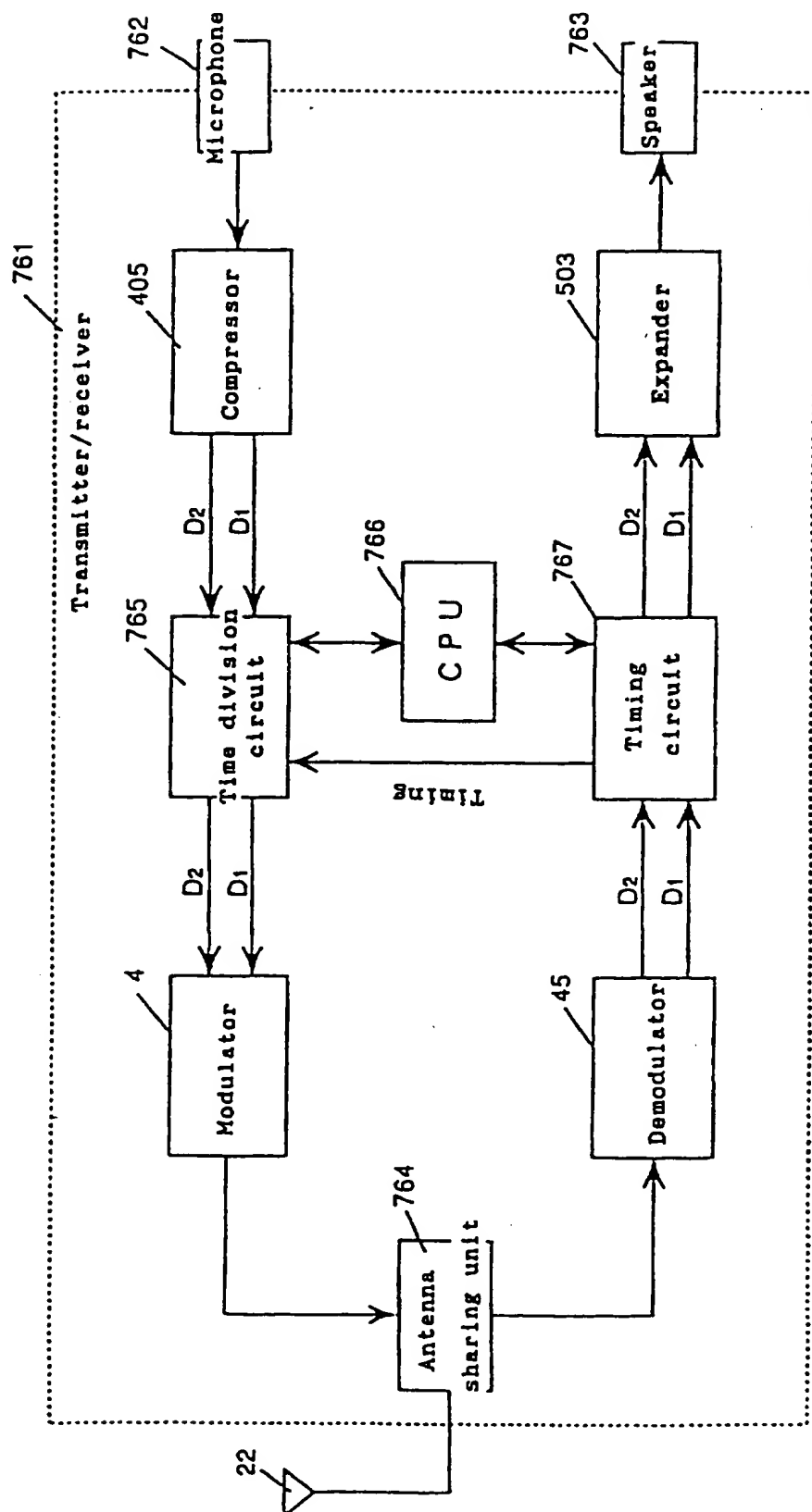
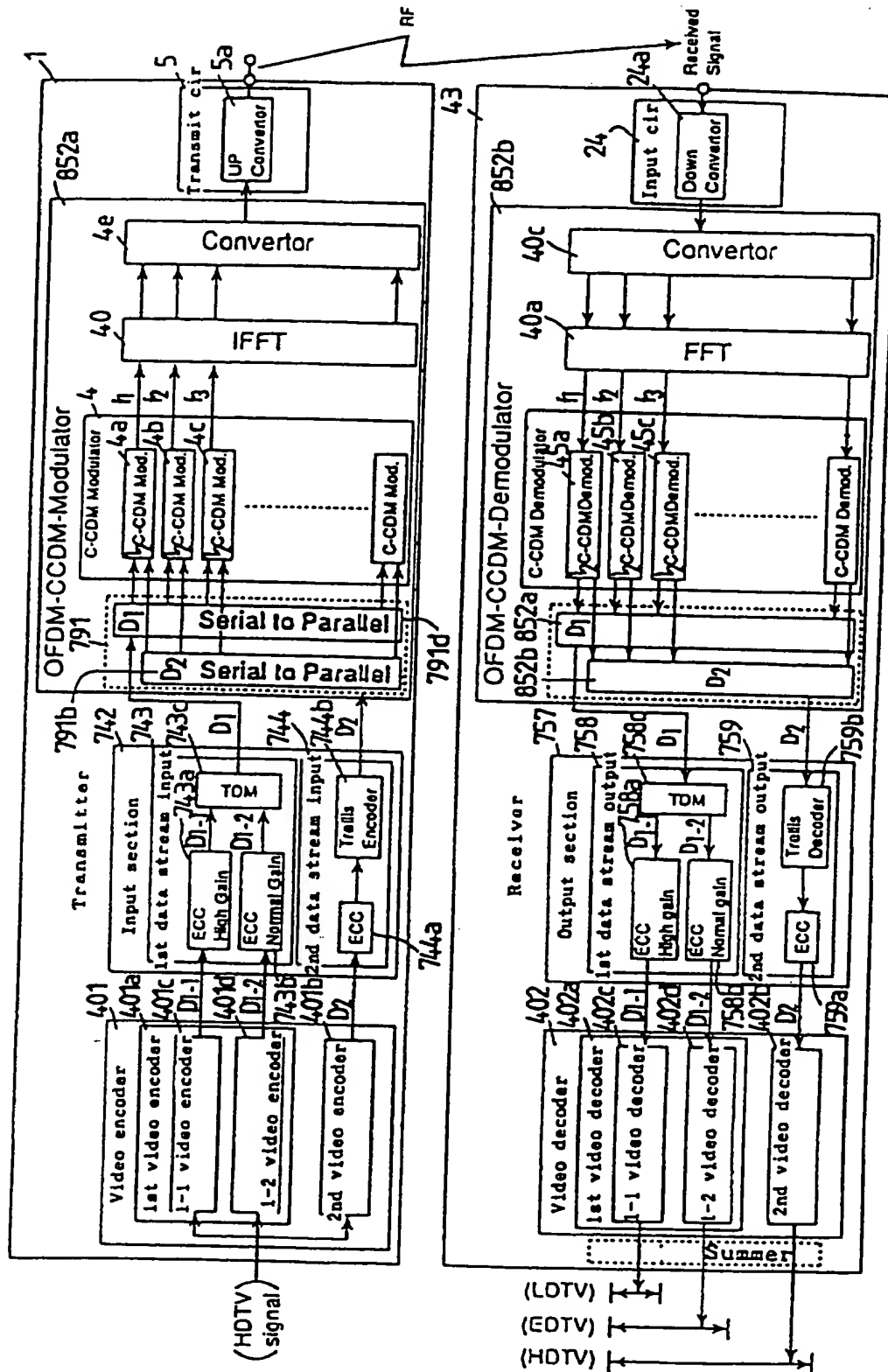


FIG. 123



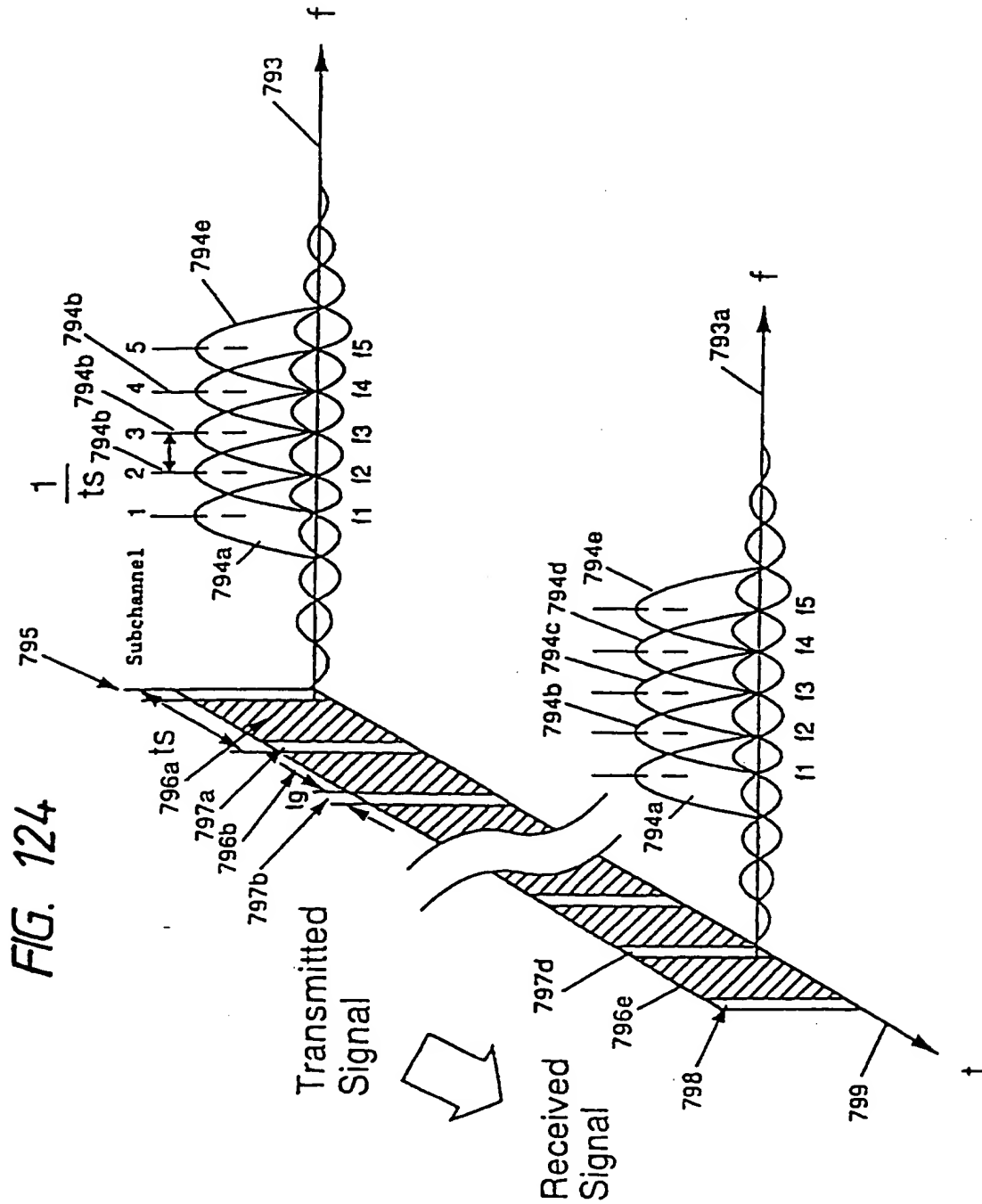




FIG. 125(a)

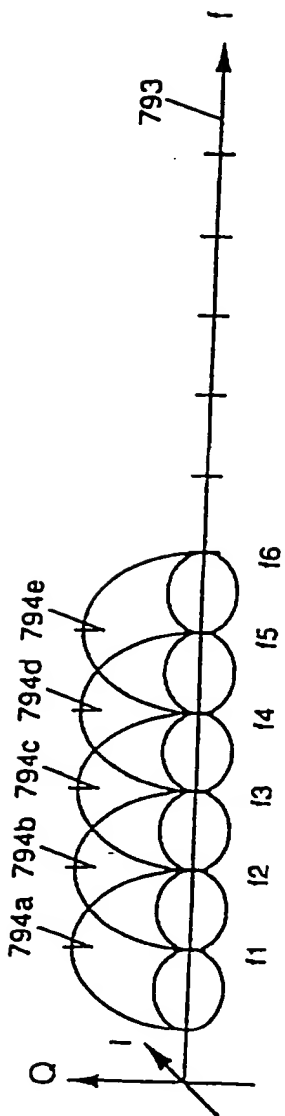
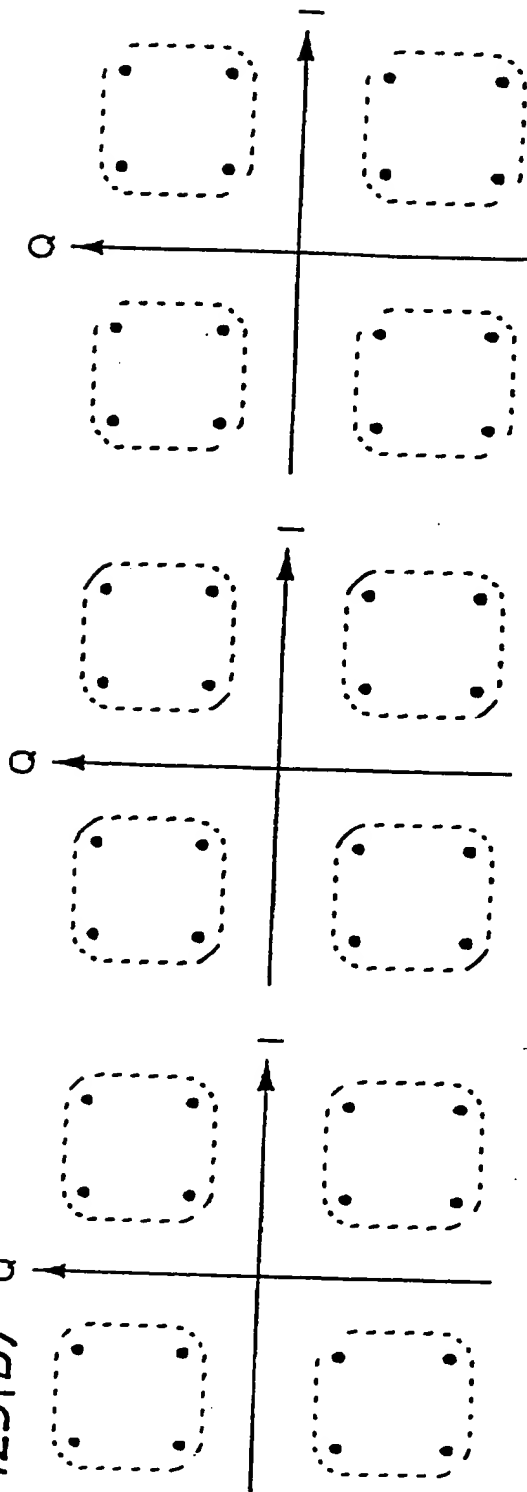


FIG. 125(b)



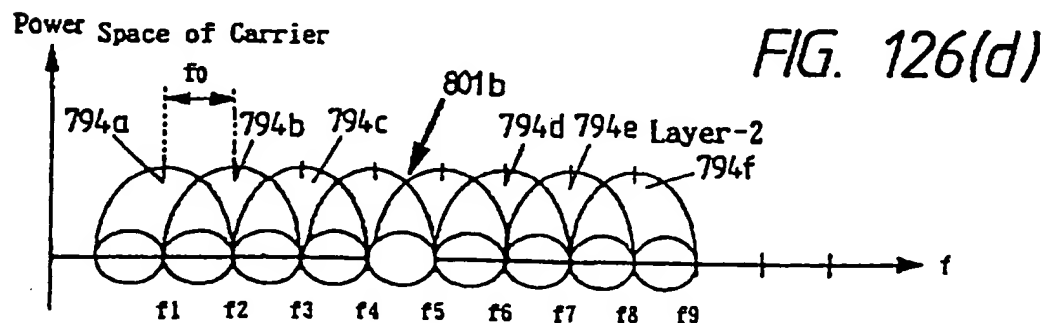
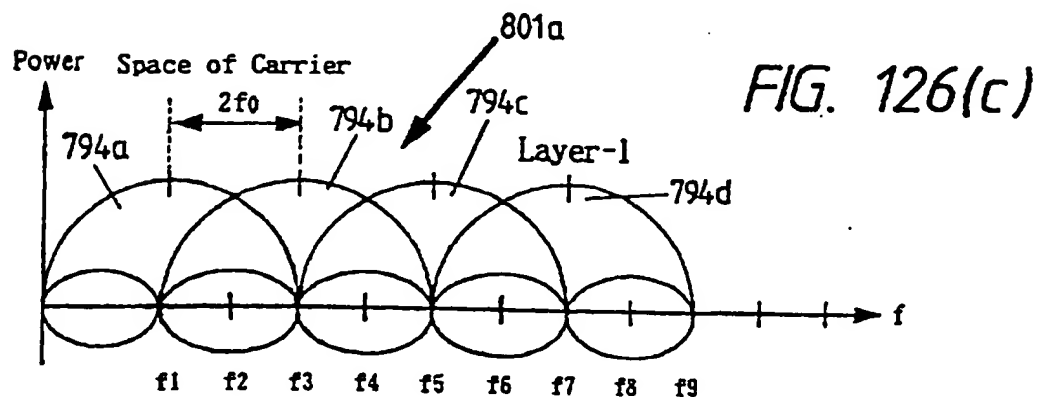
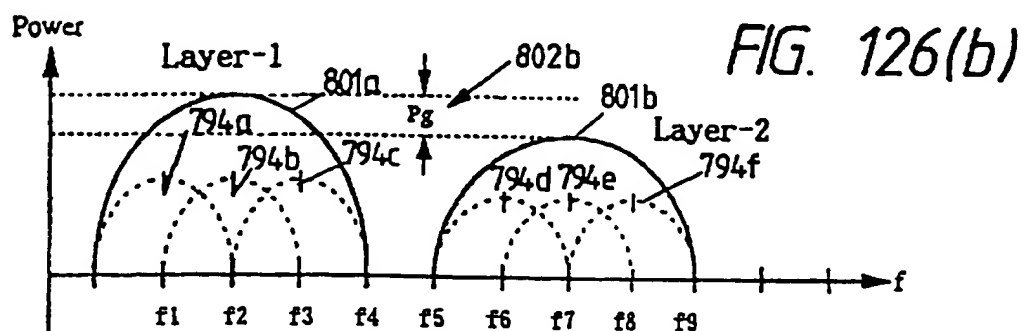
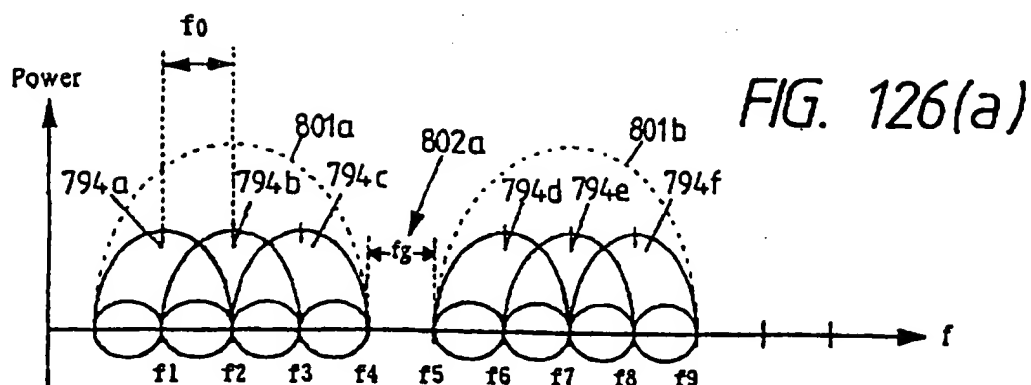


FIG. 127

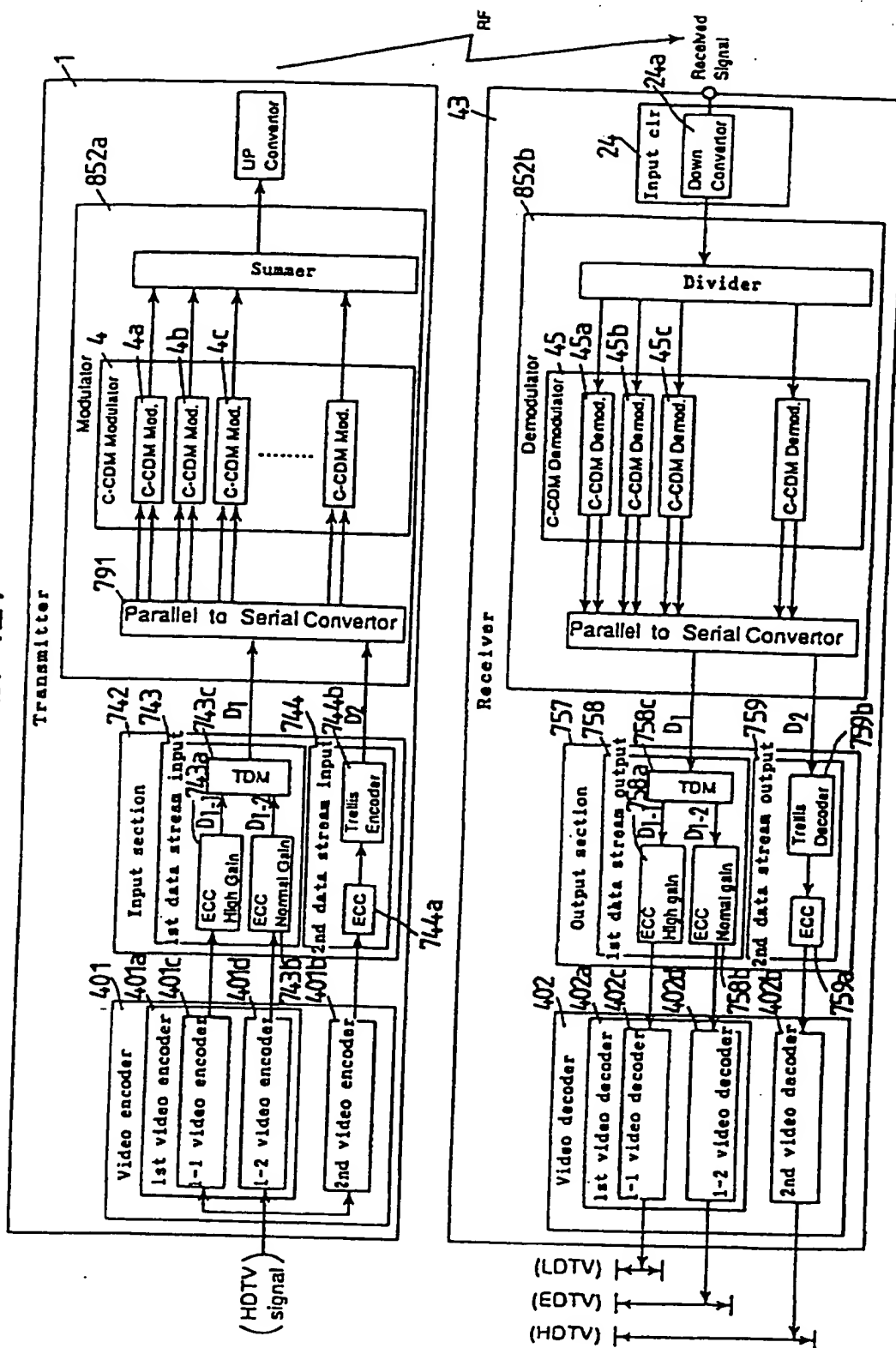


FIG. 128(a)

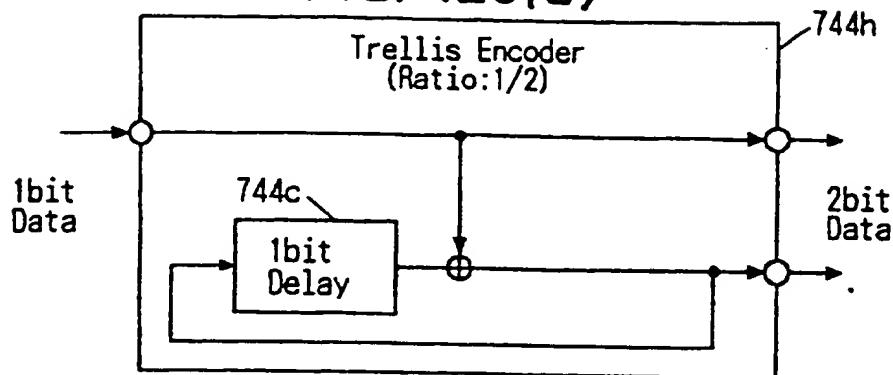


FIG. 128(b)

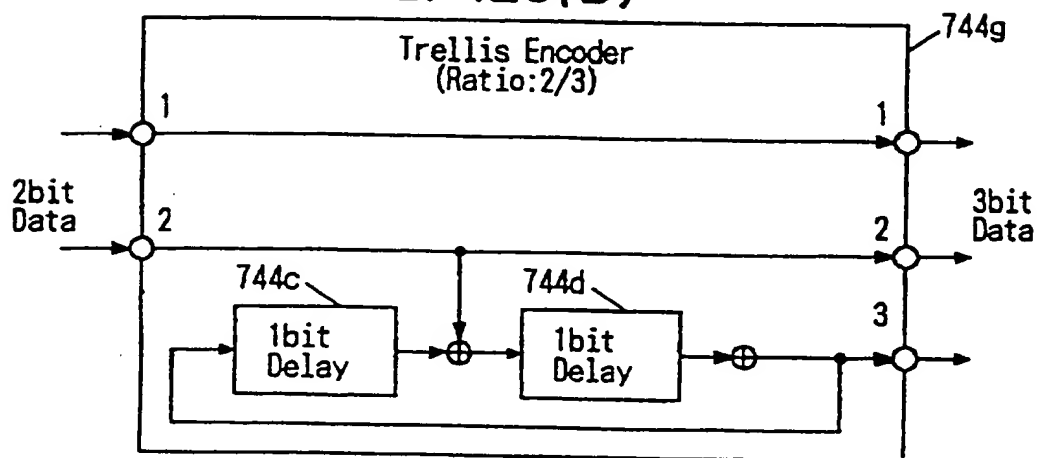


FIG. 128(c)

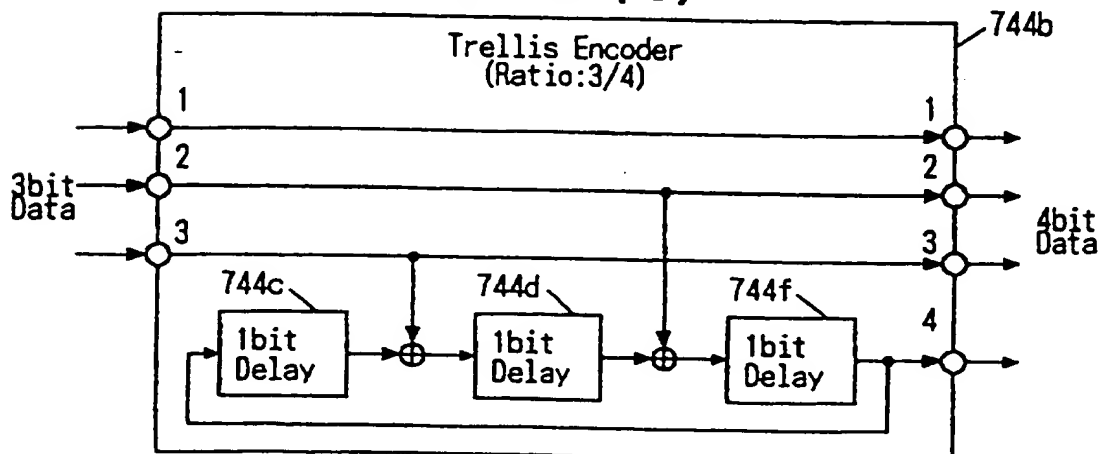


FIG. 128(d)

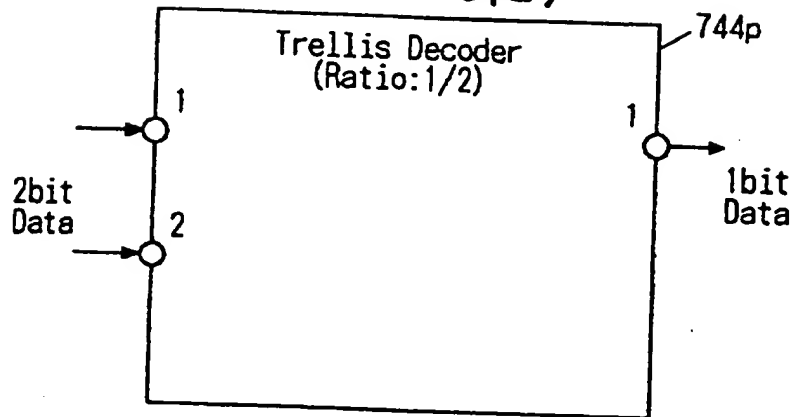


FIG. 128(e)

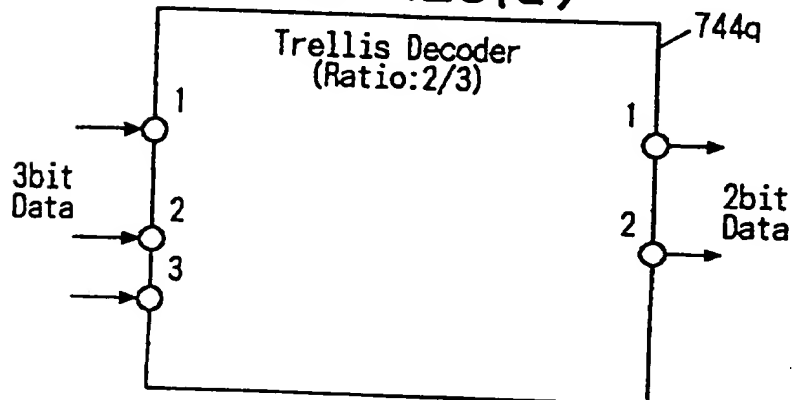
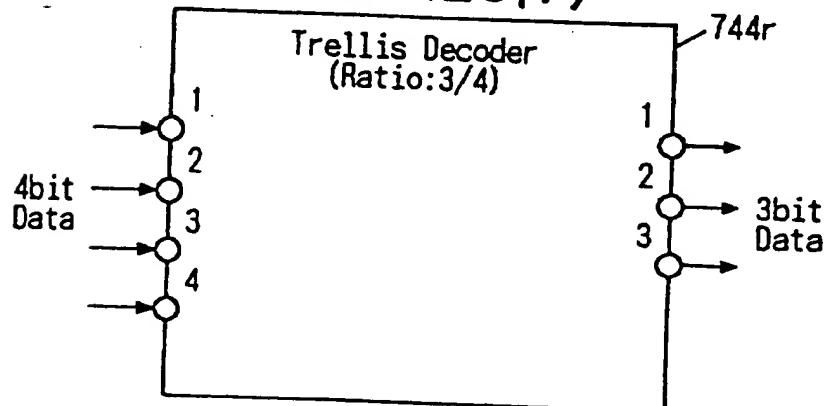


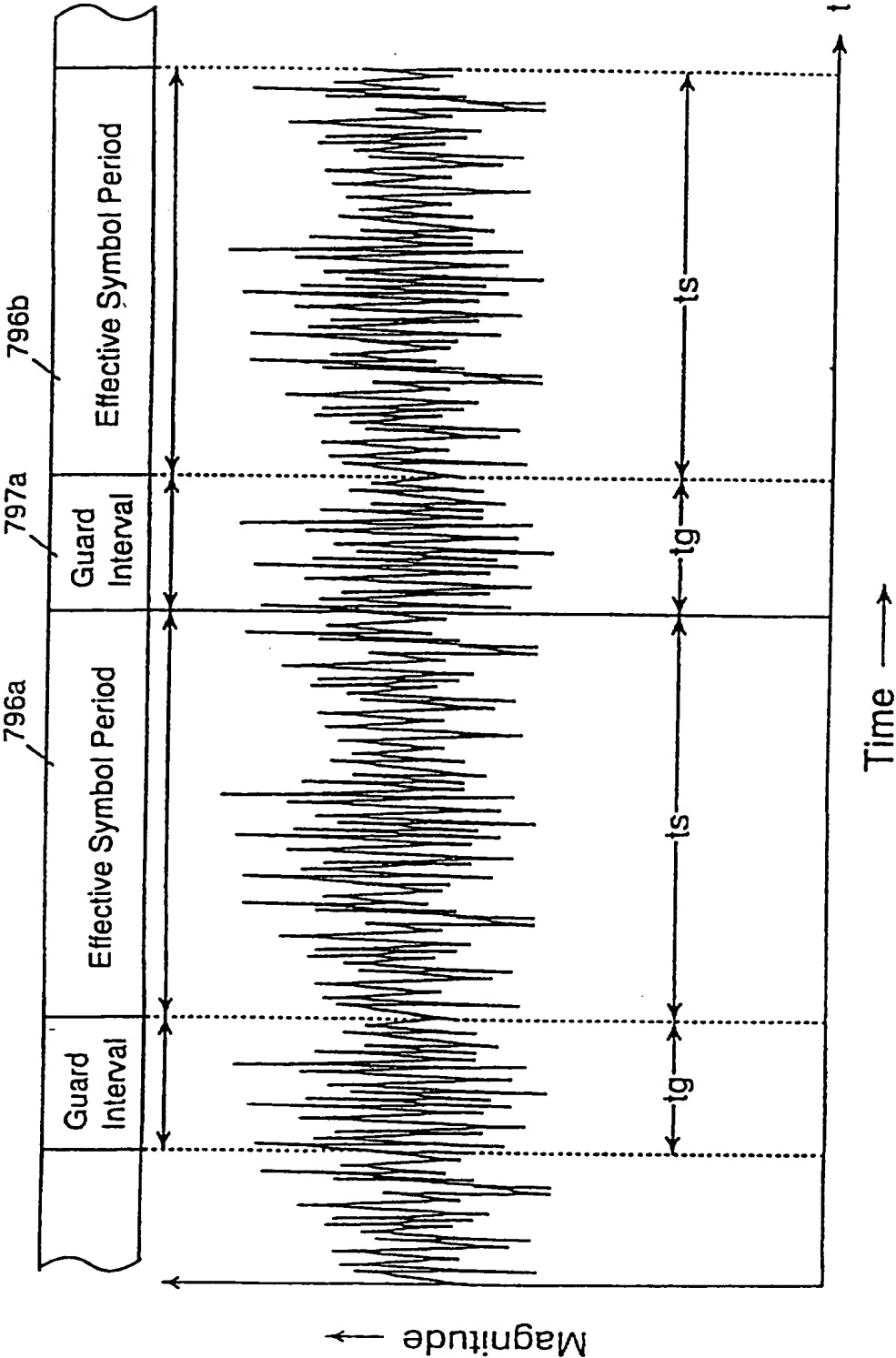
FIG. 128(f)



00222-8904260

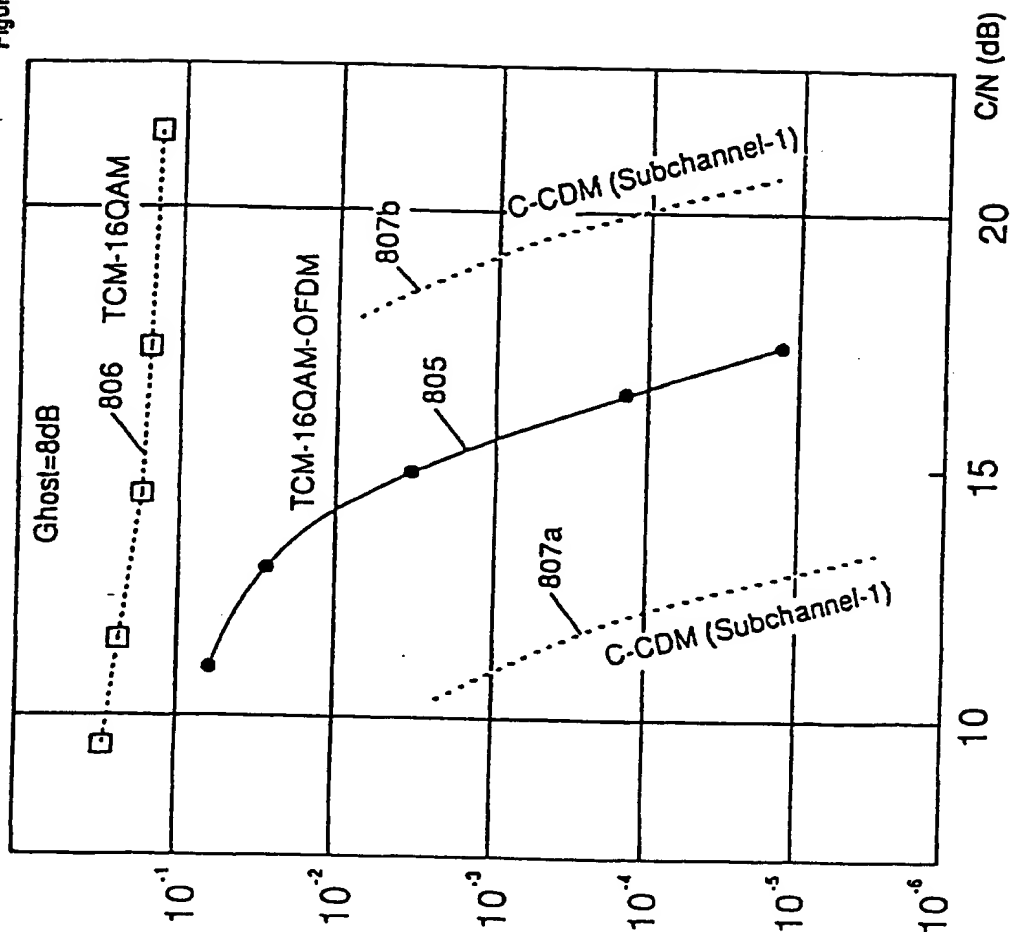
000227 89004260

FIG. 129



GHOST DELAY=2 $\mu$ s. O/U=8dB  
Figure 8 Bit Error Rate Performance Under Single Ghost  
and Gaussian Noise (1)

FIG. 130



000007-89004250

FIG. 131

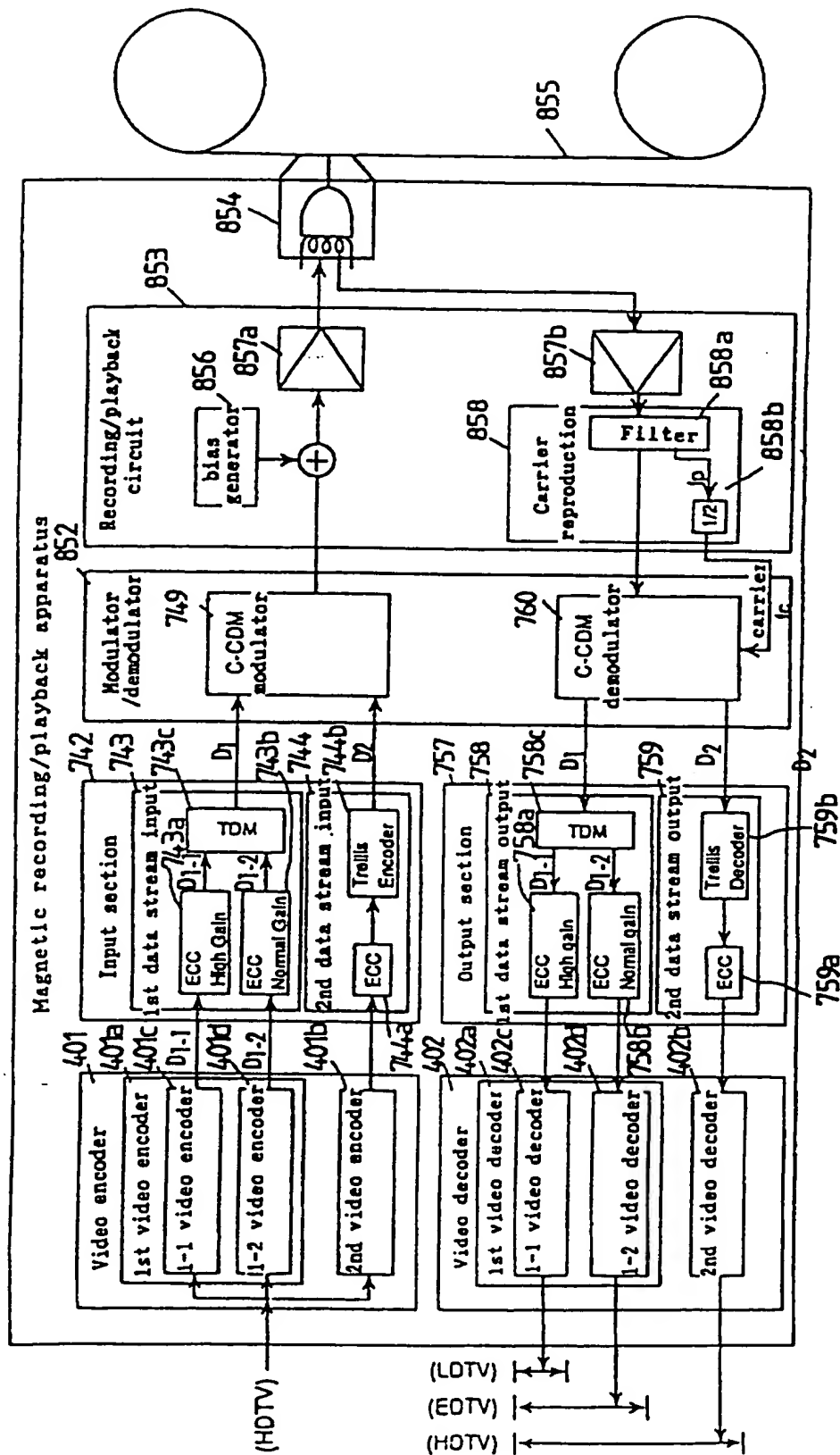




FIG. 132

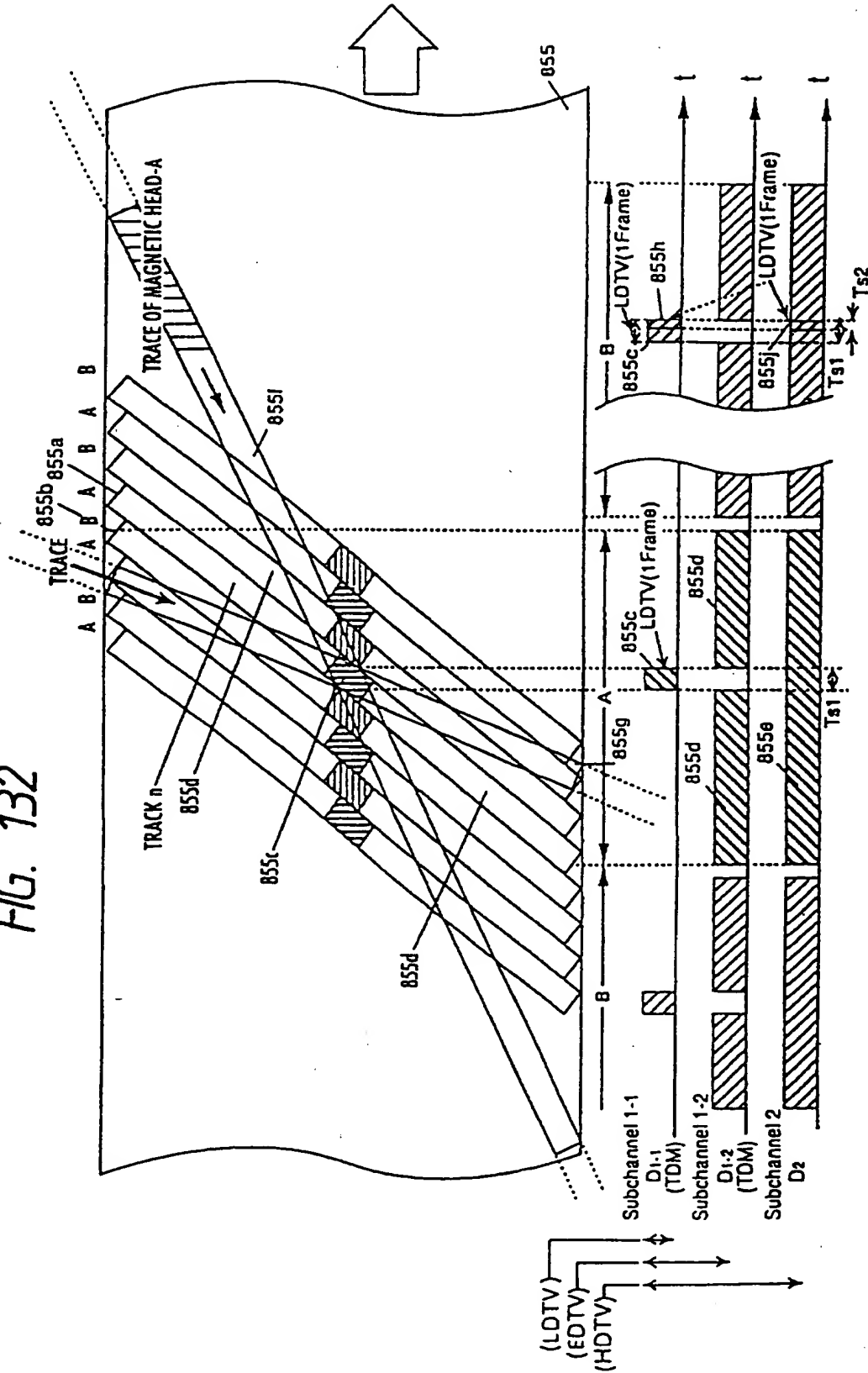
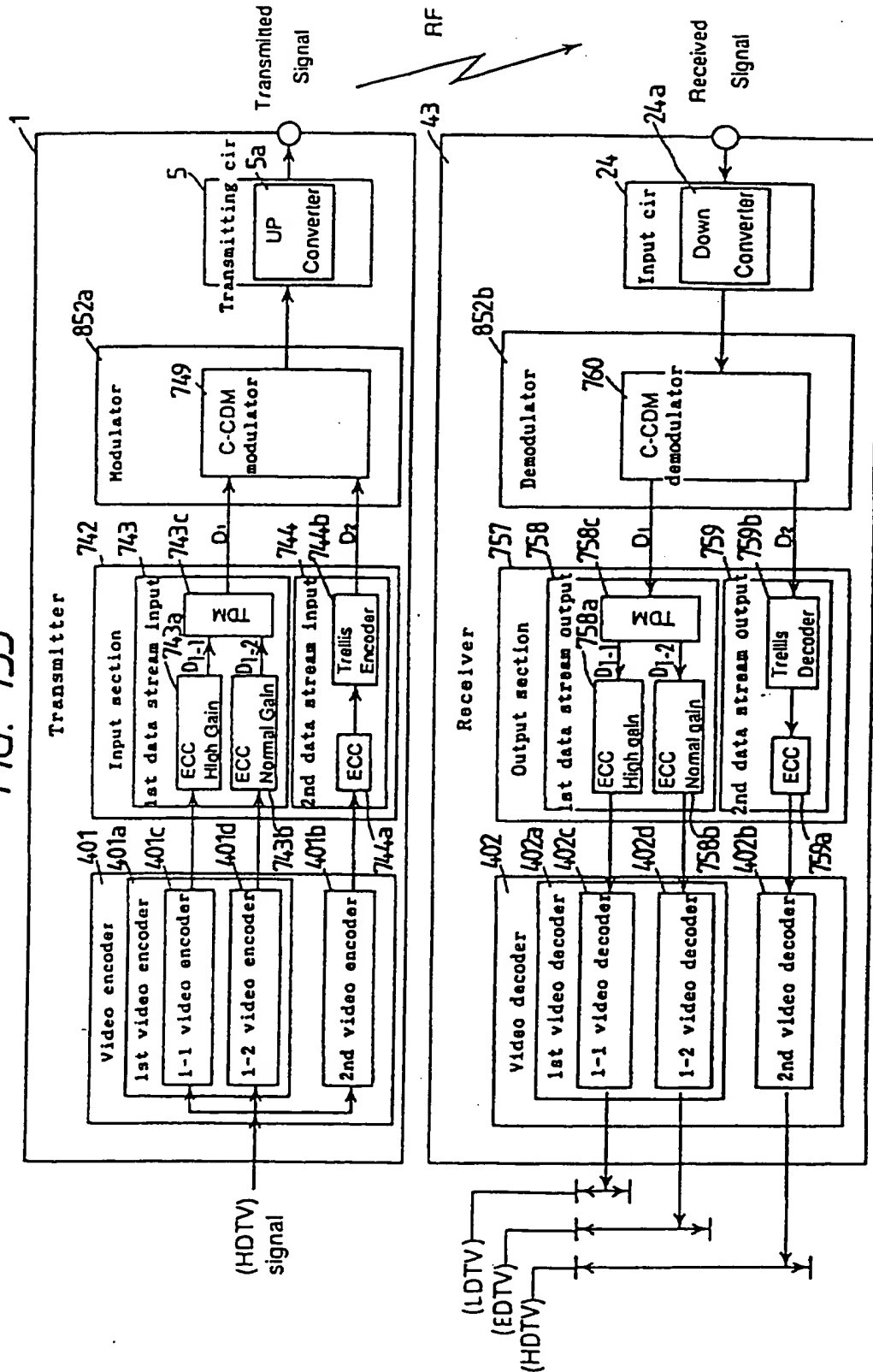


FIG. 133



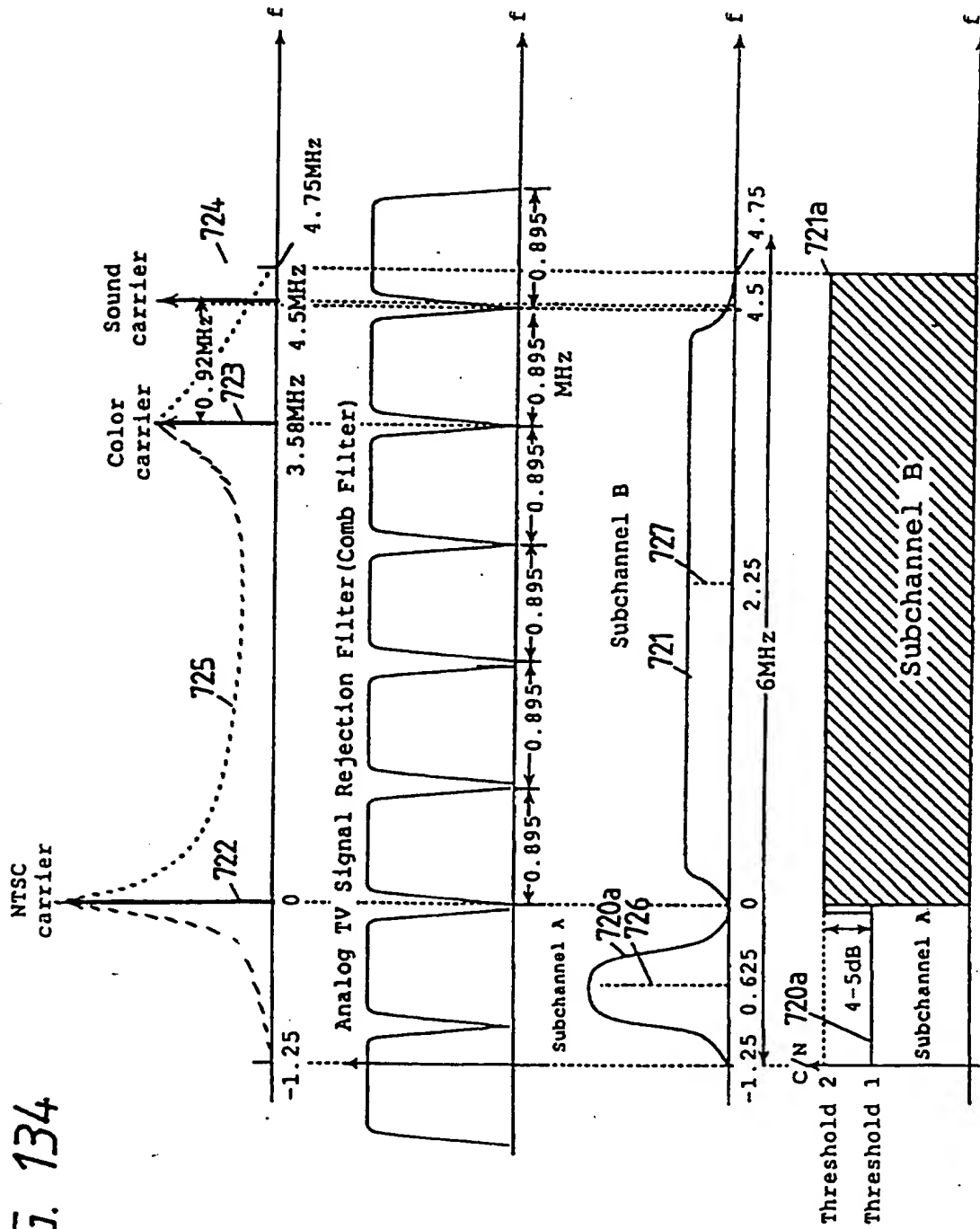


FIG. 135

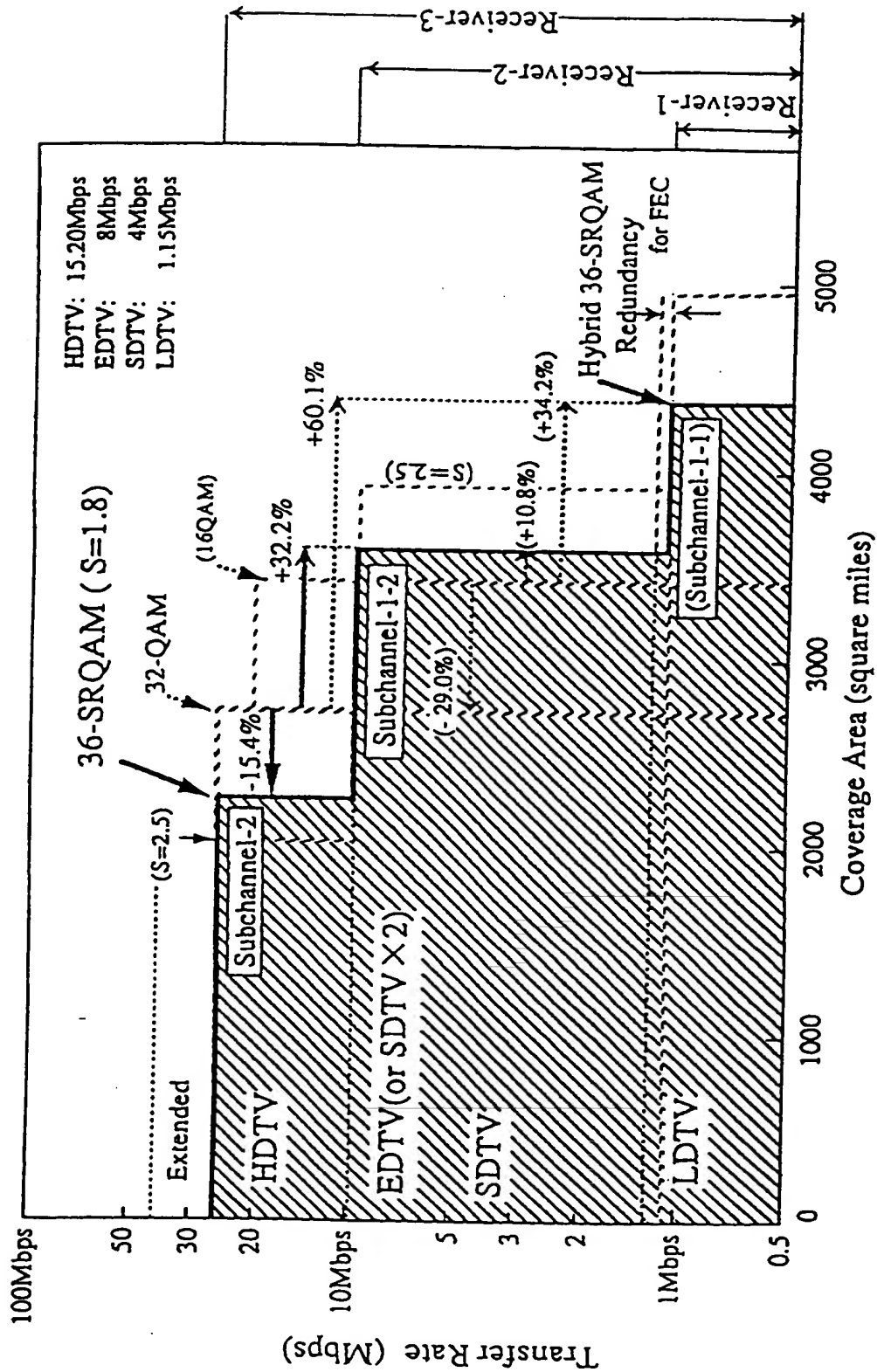


FIG. 136

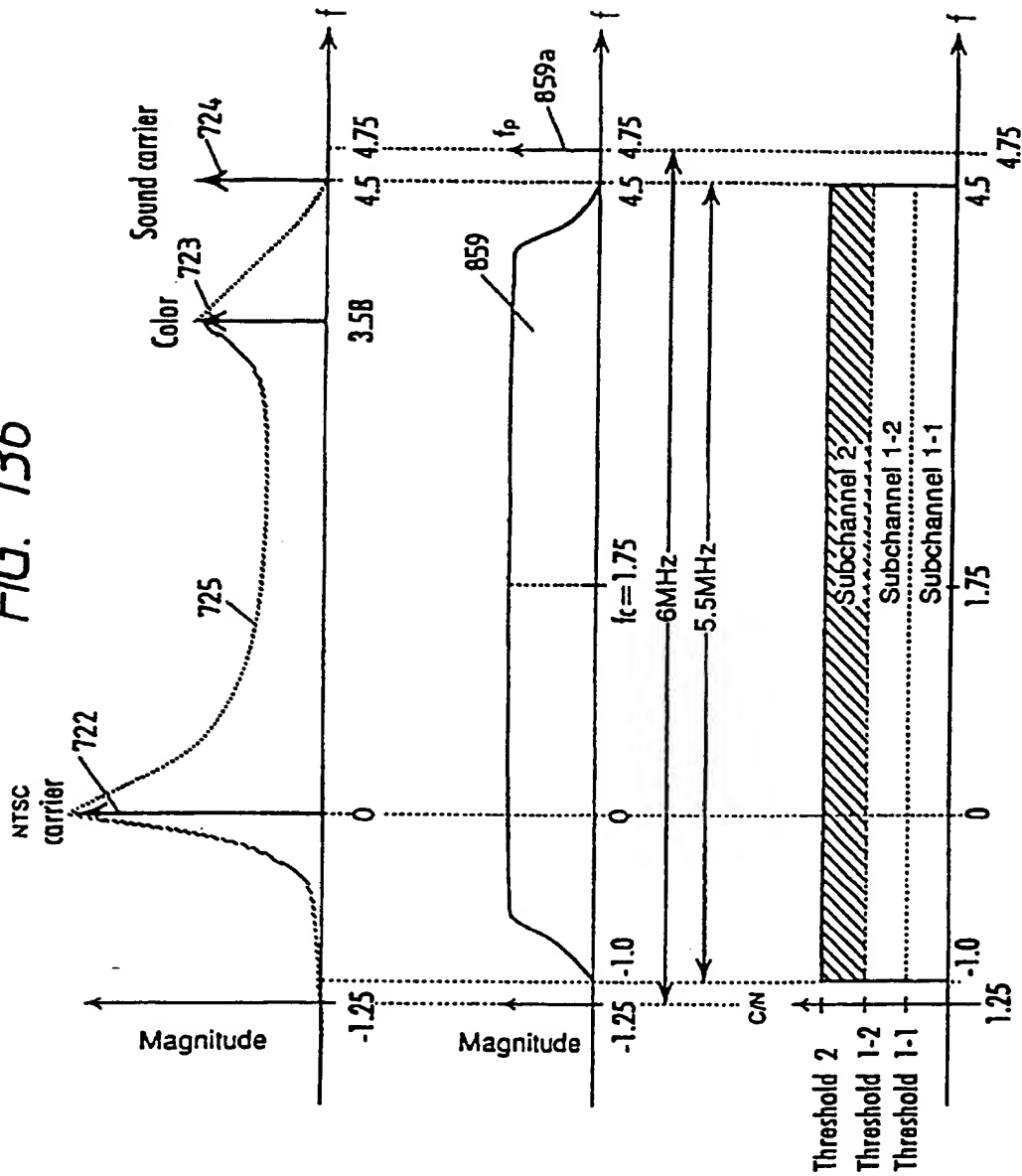


FIG. 137

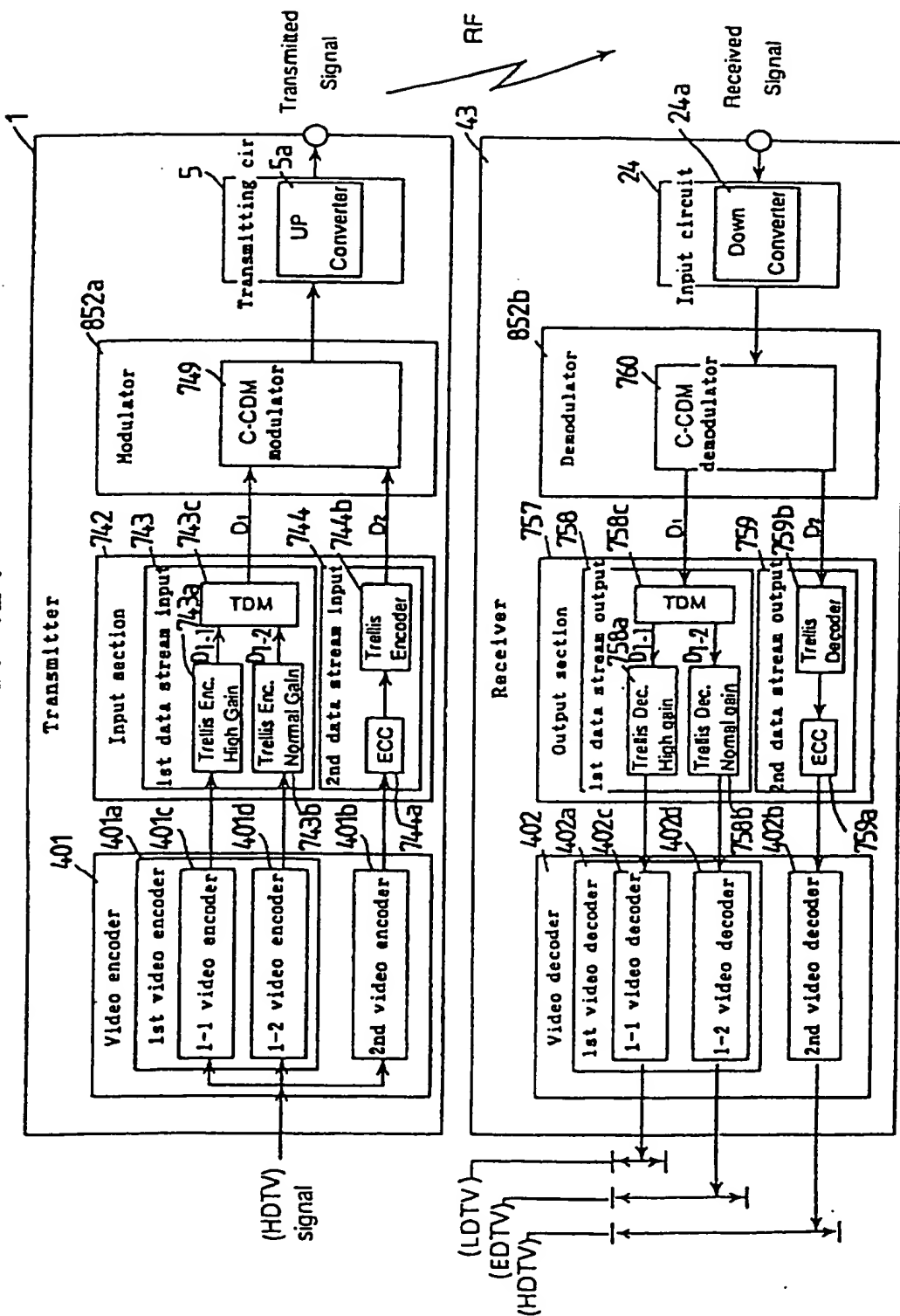
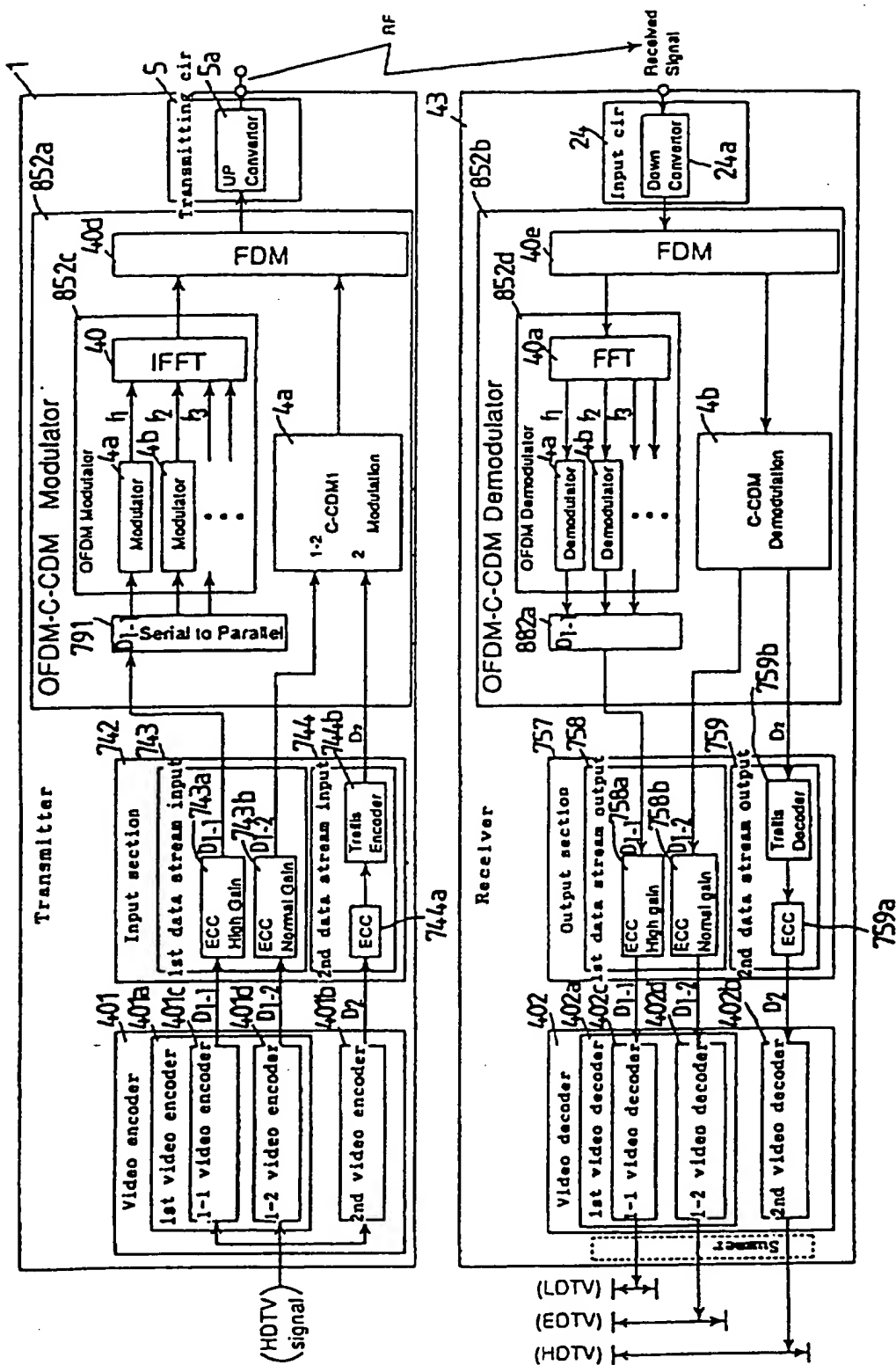


FIG. 138



**THE UNIVERSITY OF CHICAGO**

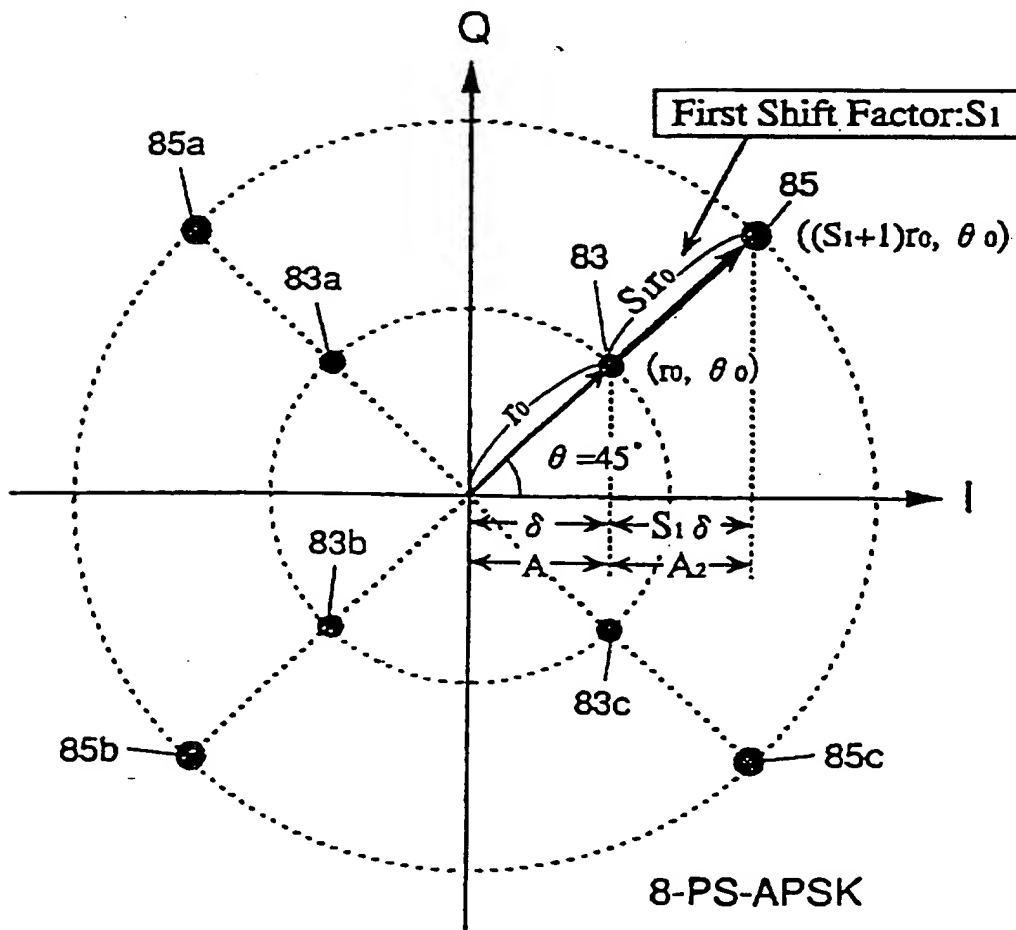




FIG. 140

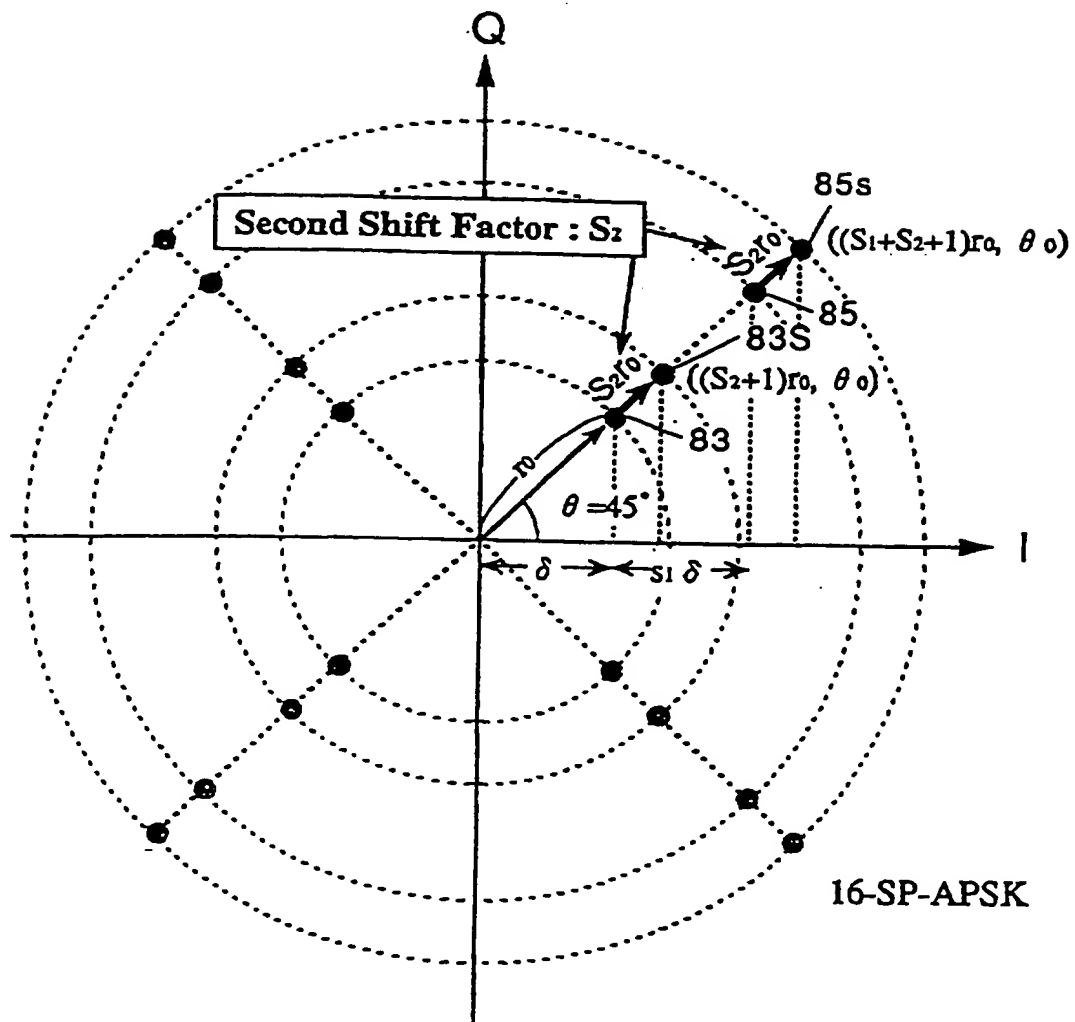


FIG. 140

FIG. 141

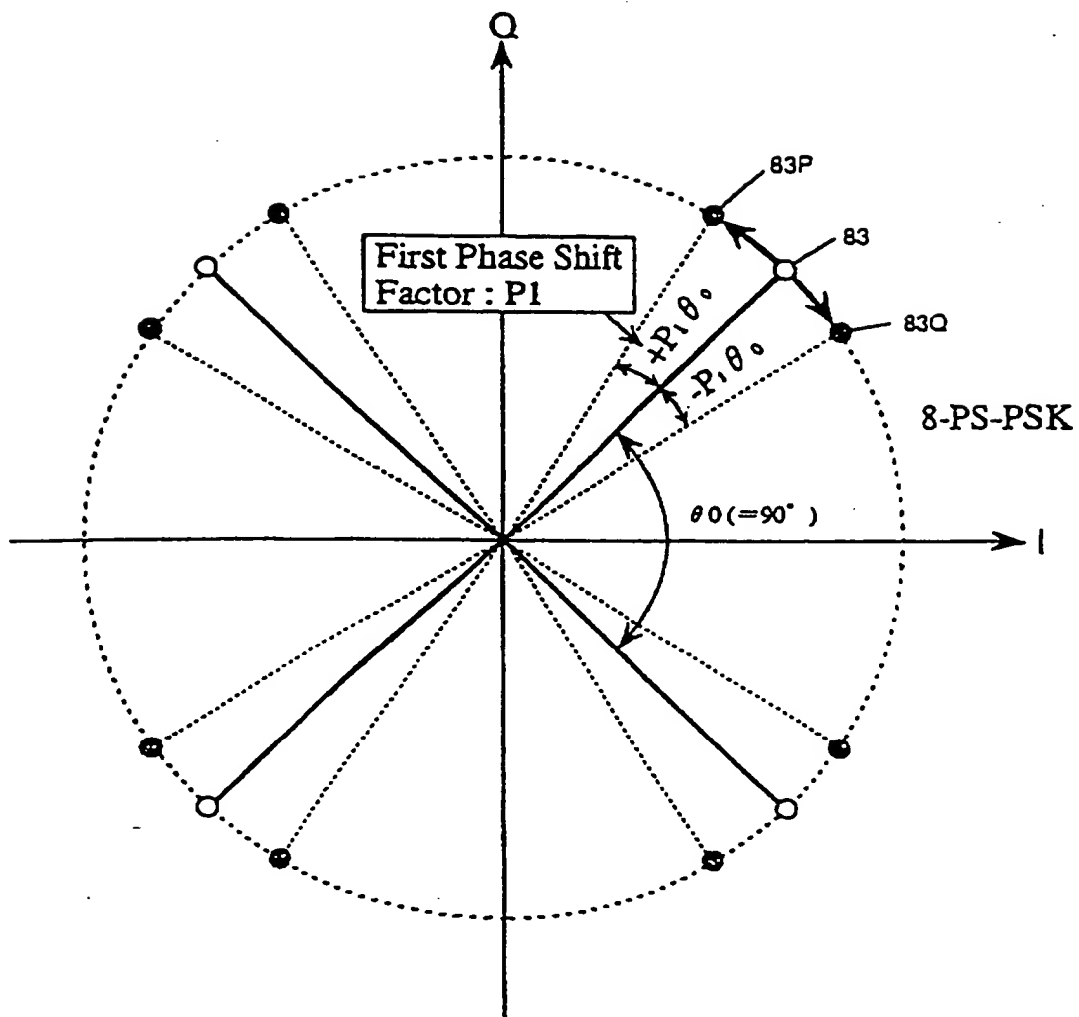
[illegible]



FIG. 143

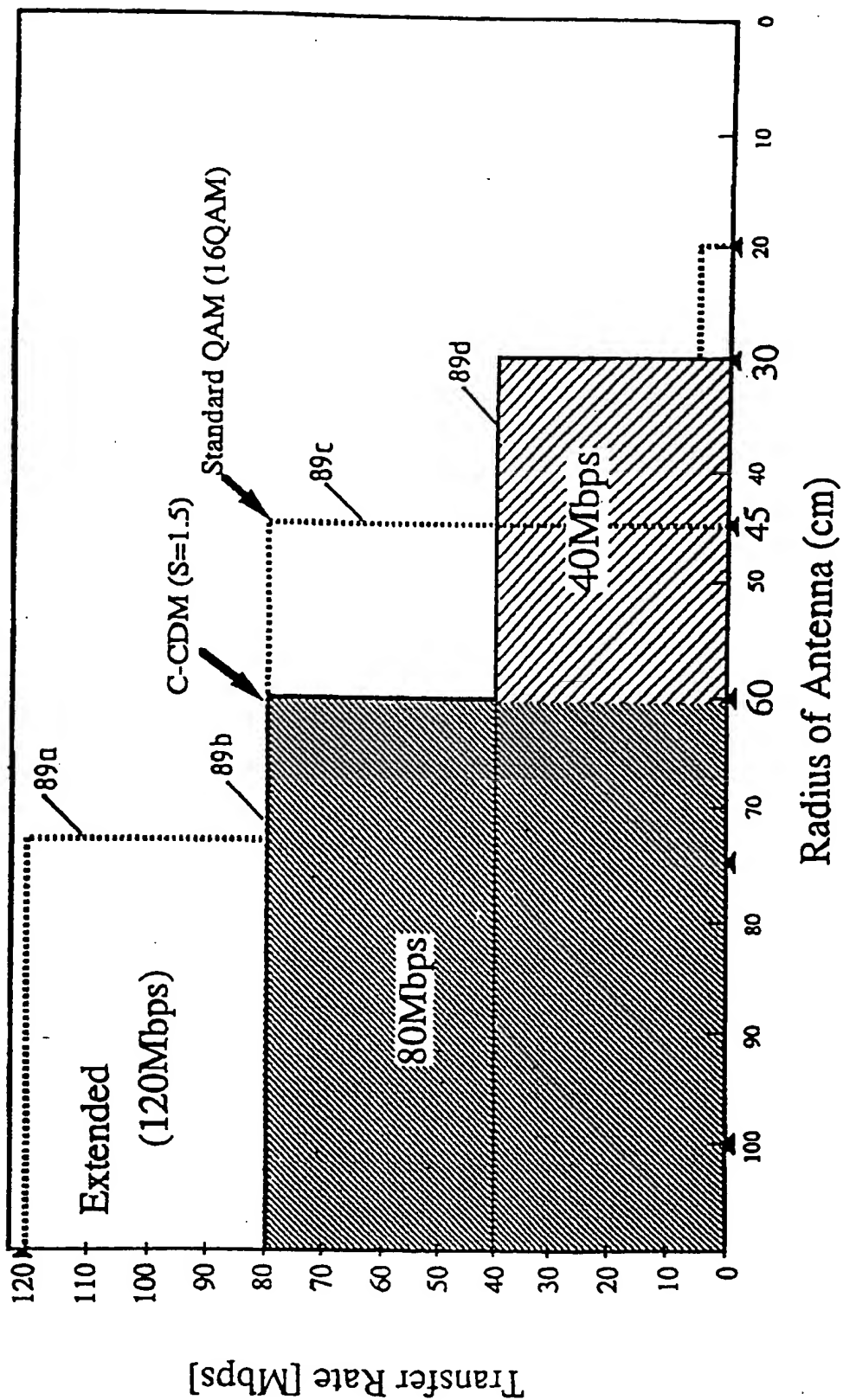
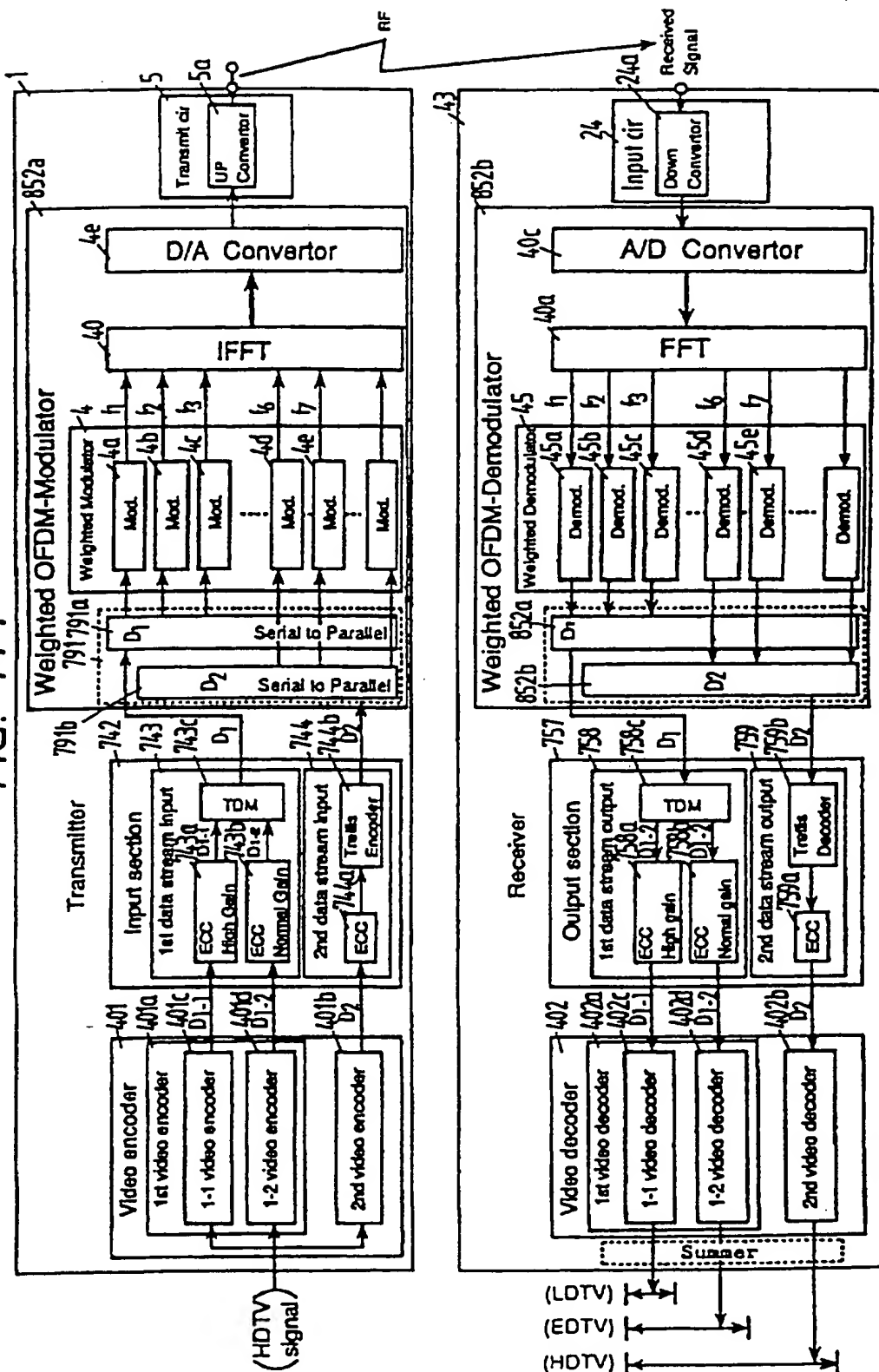
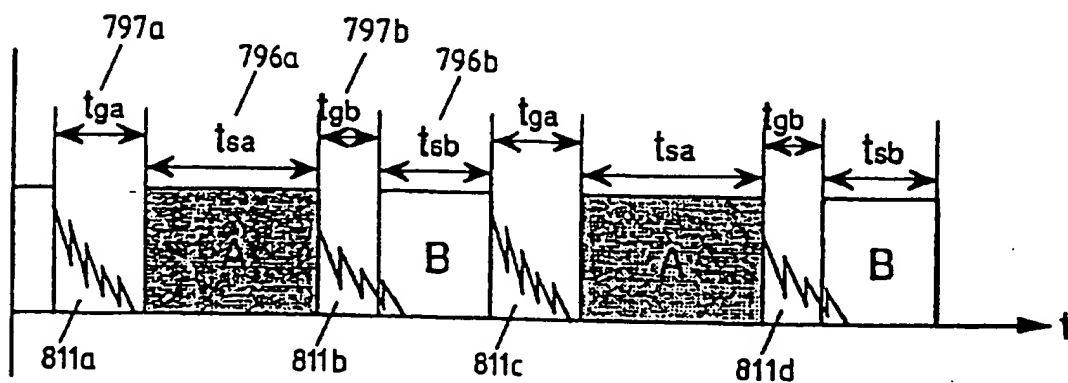
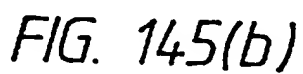


FIG. 144



**SECRET**



[illegible]

FIG. 146

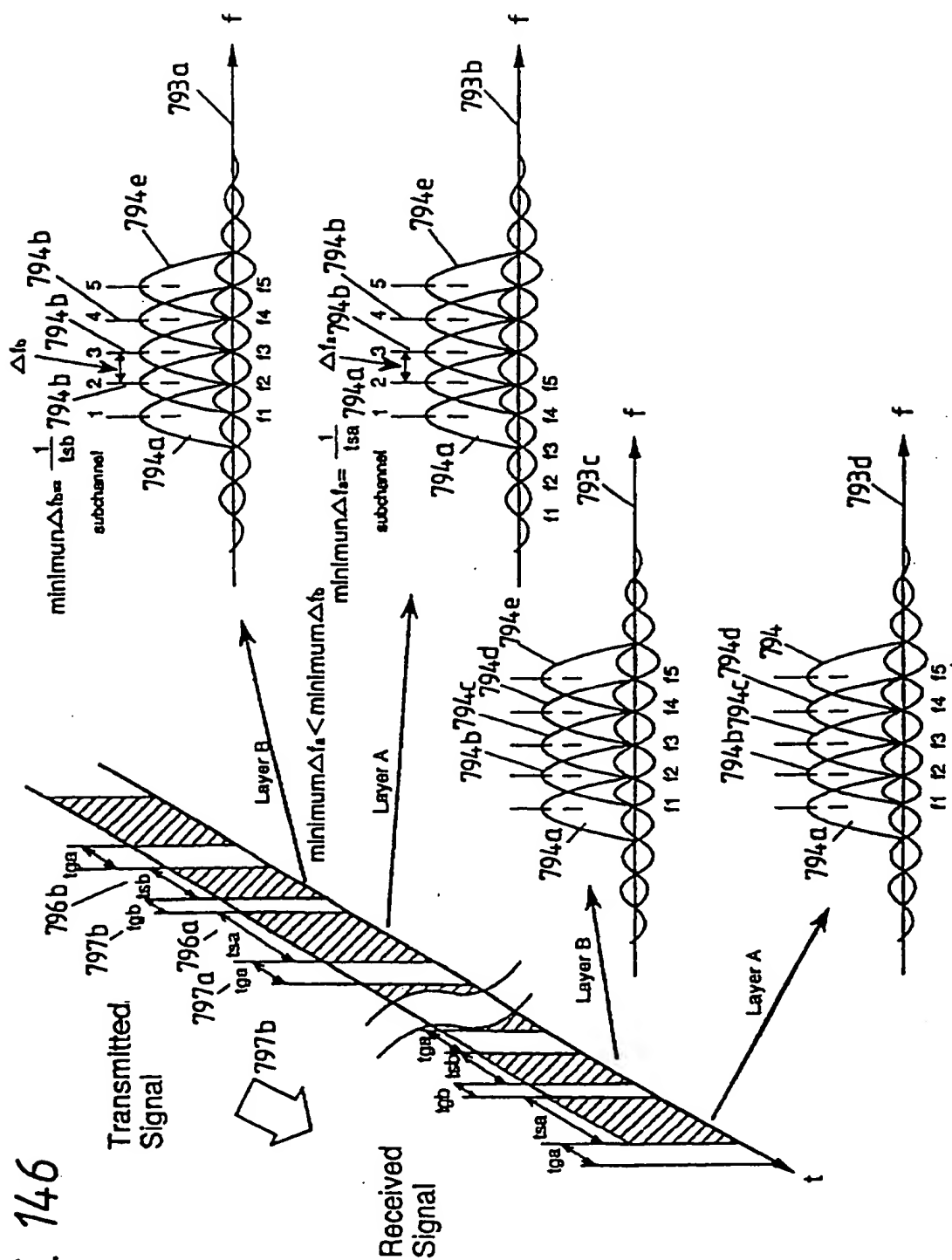


FIG. 147

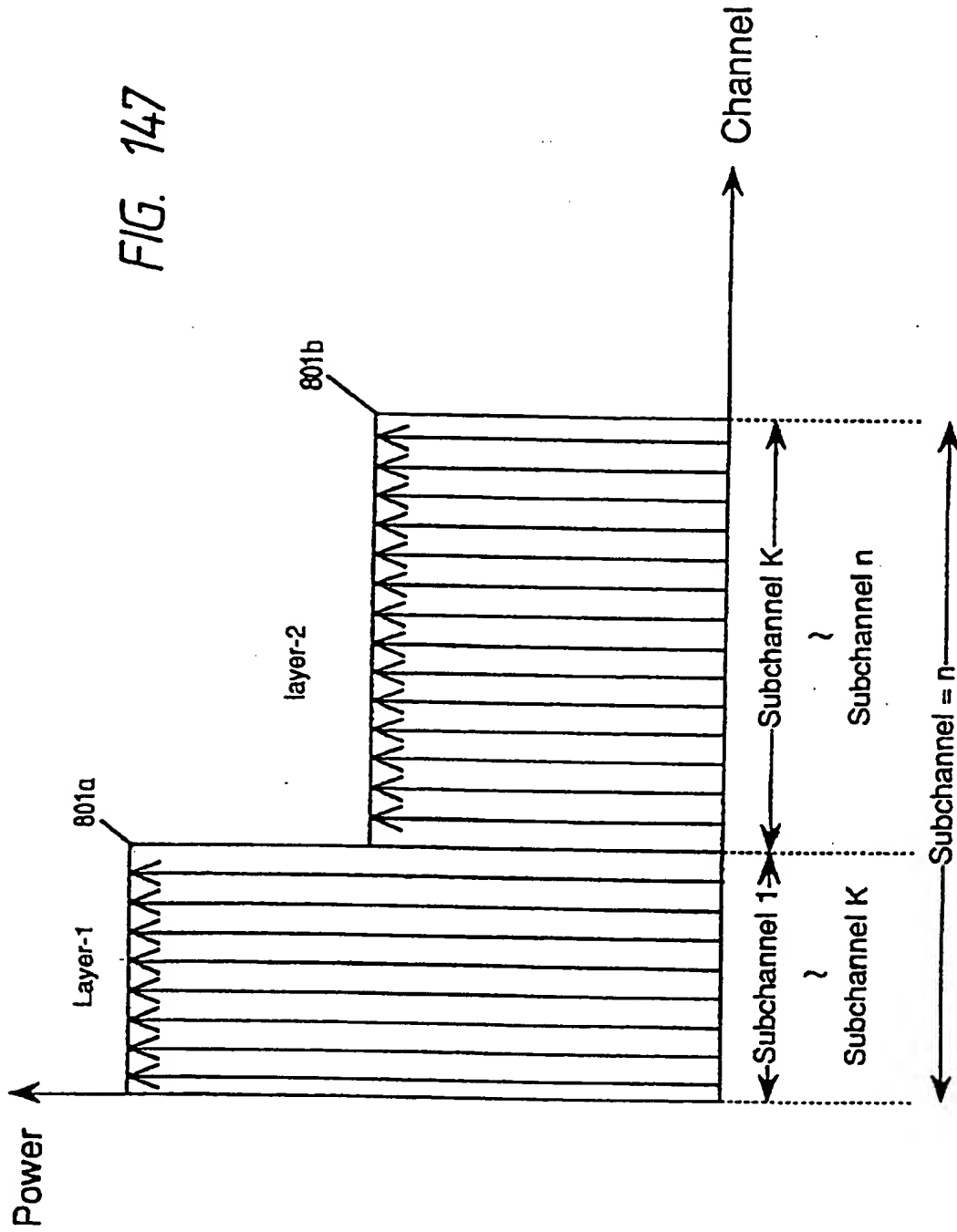
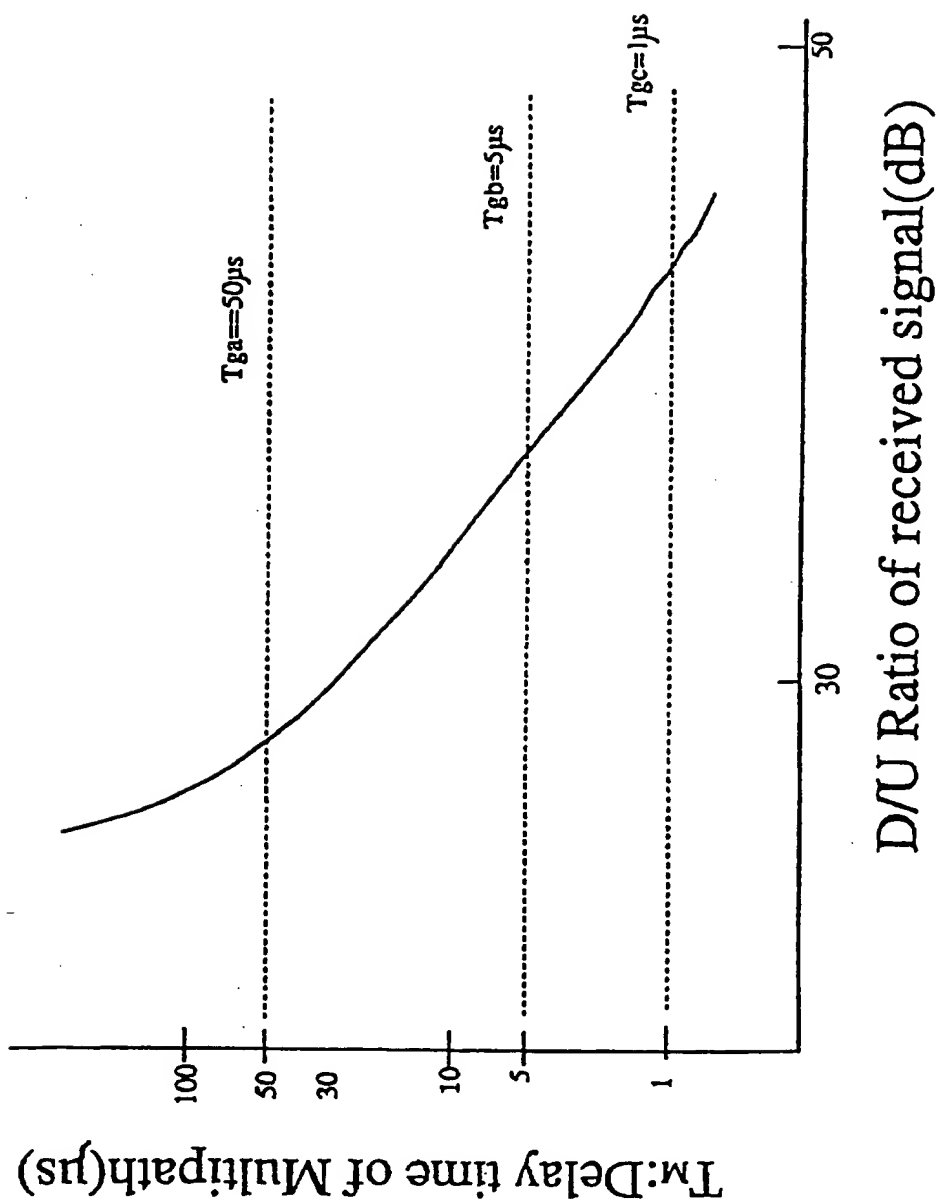




FIG. 148



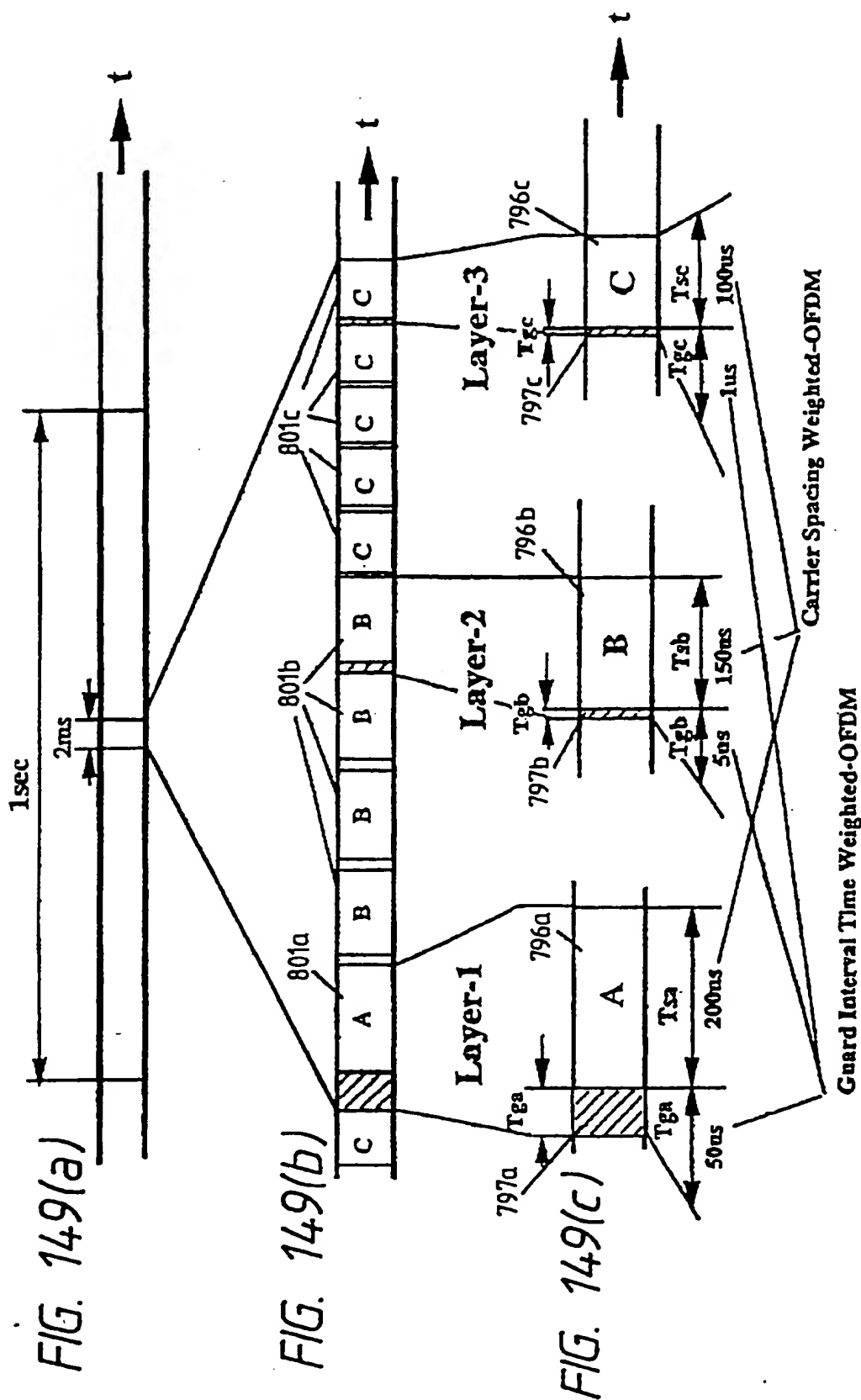


FIG. 150

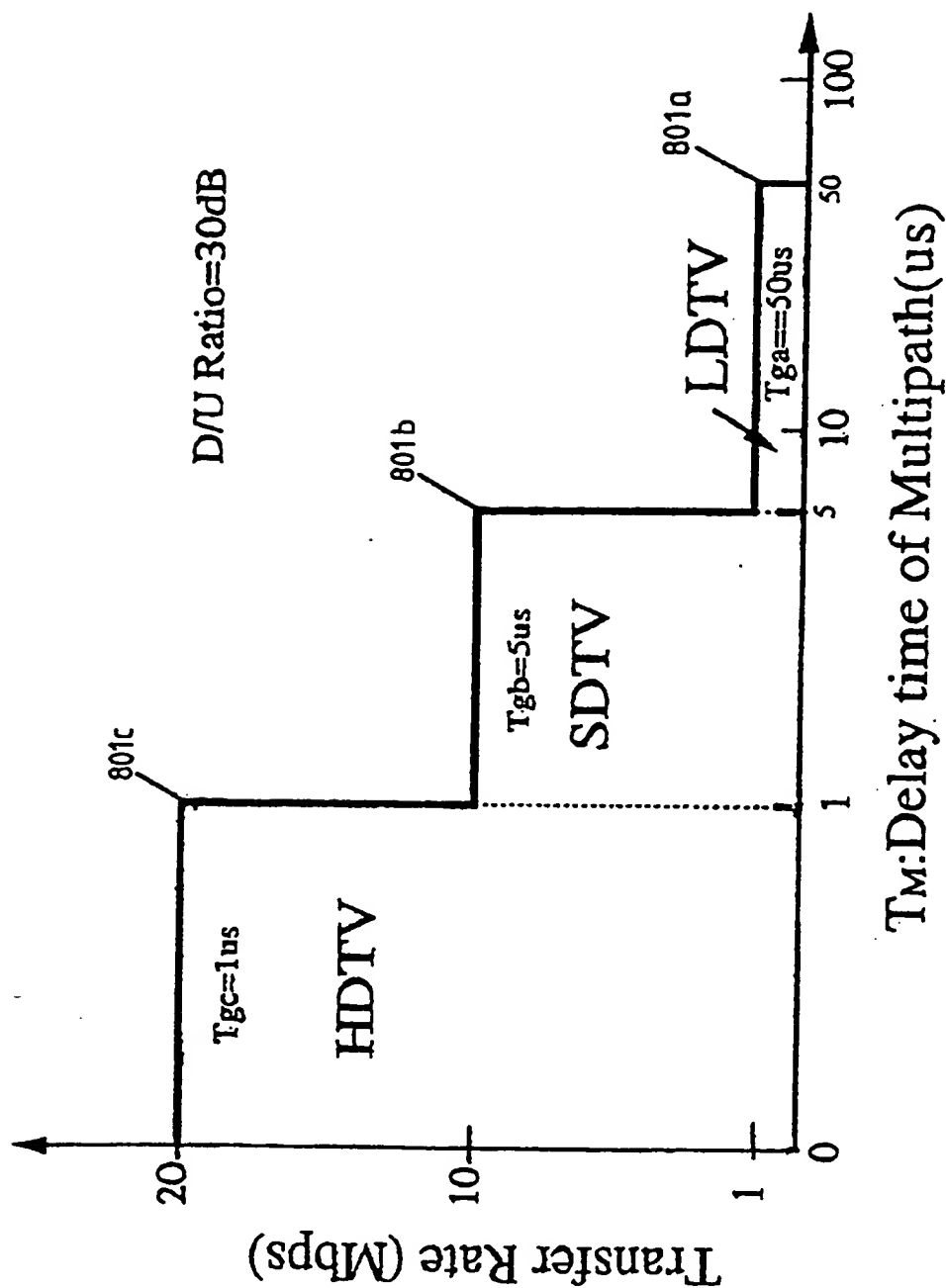


FIG. 151

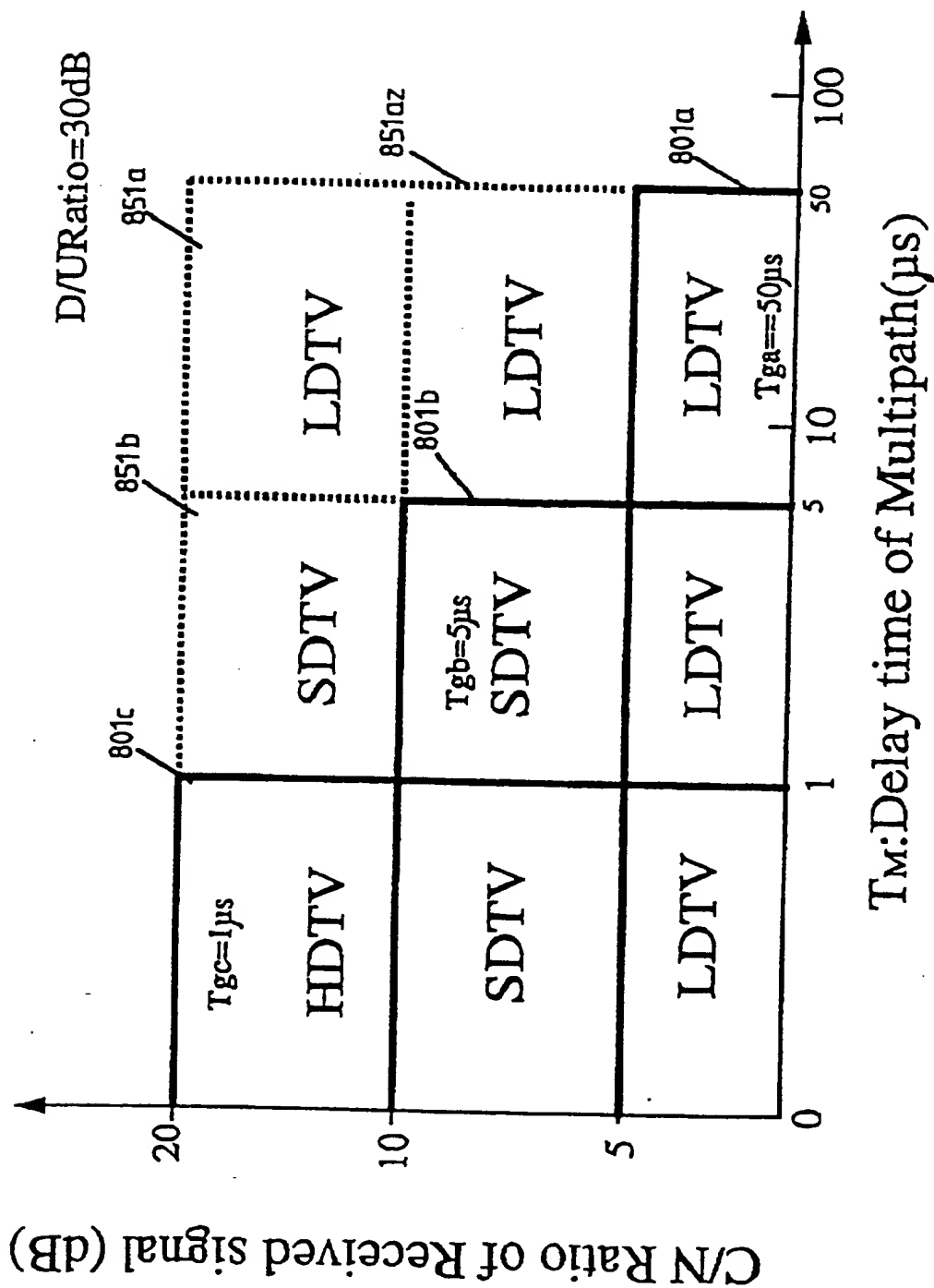
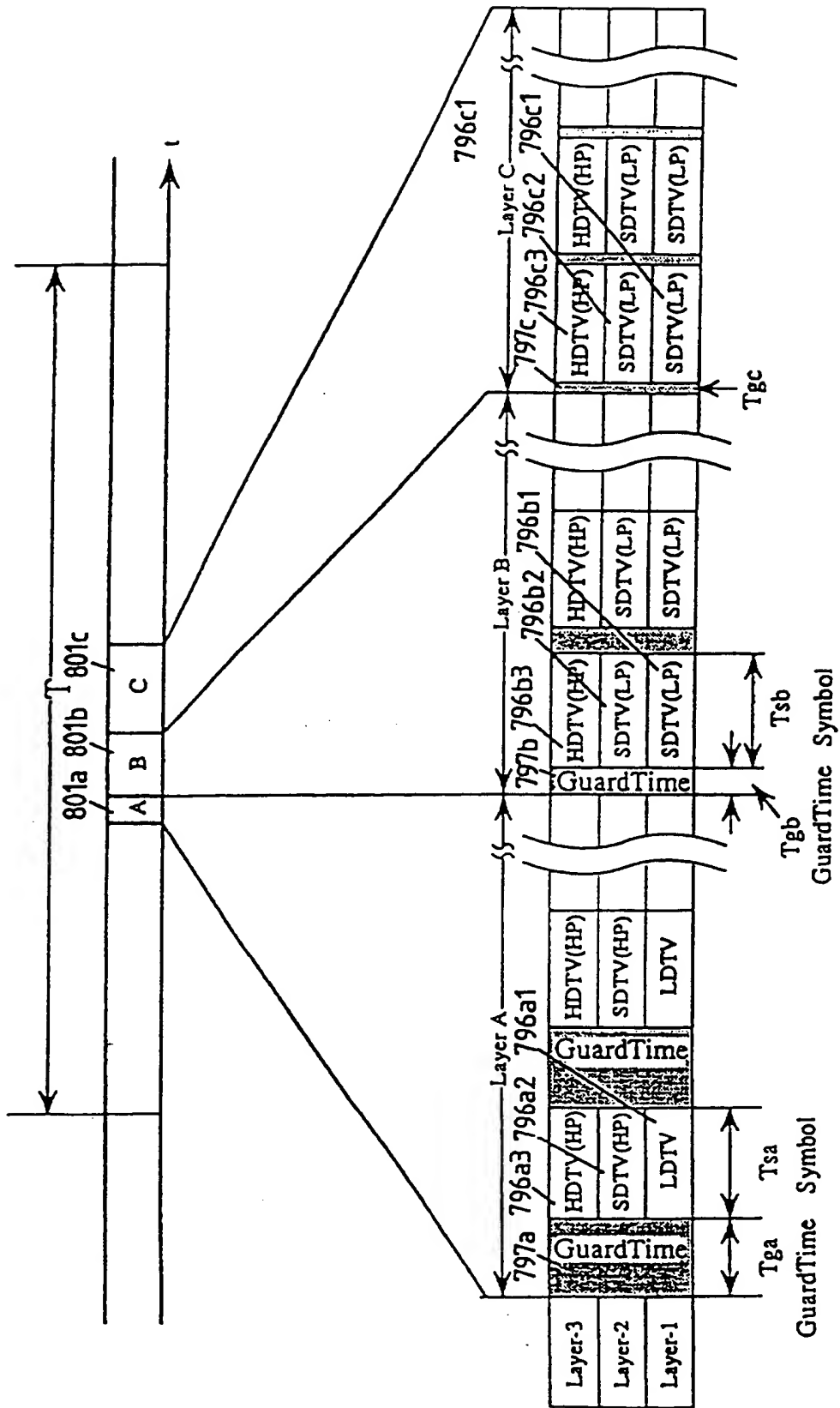
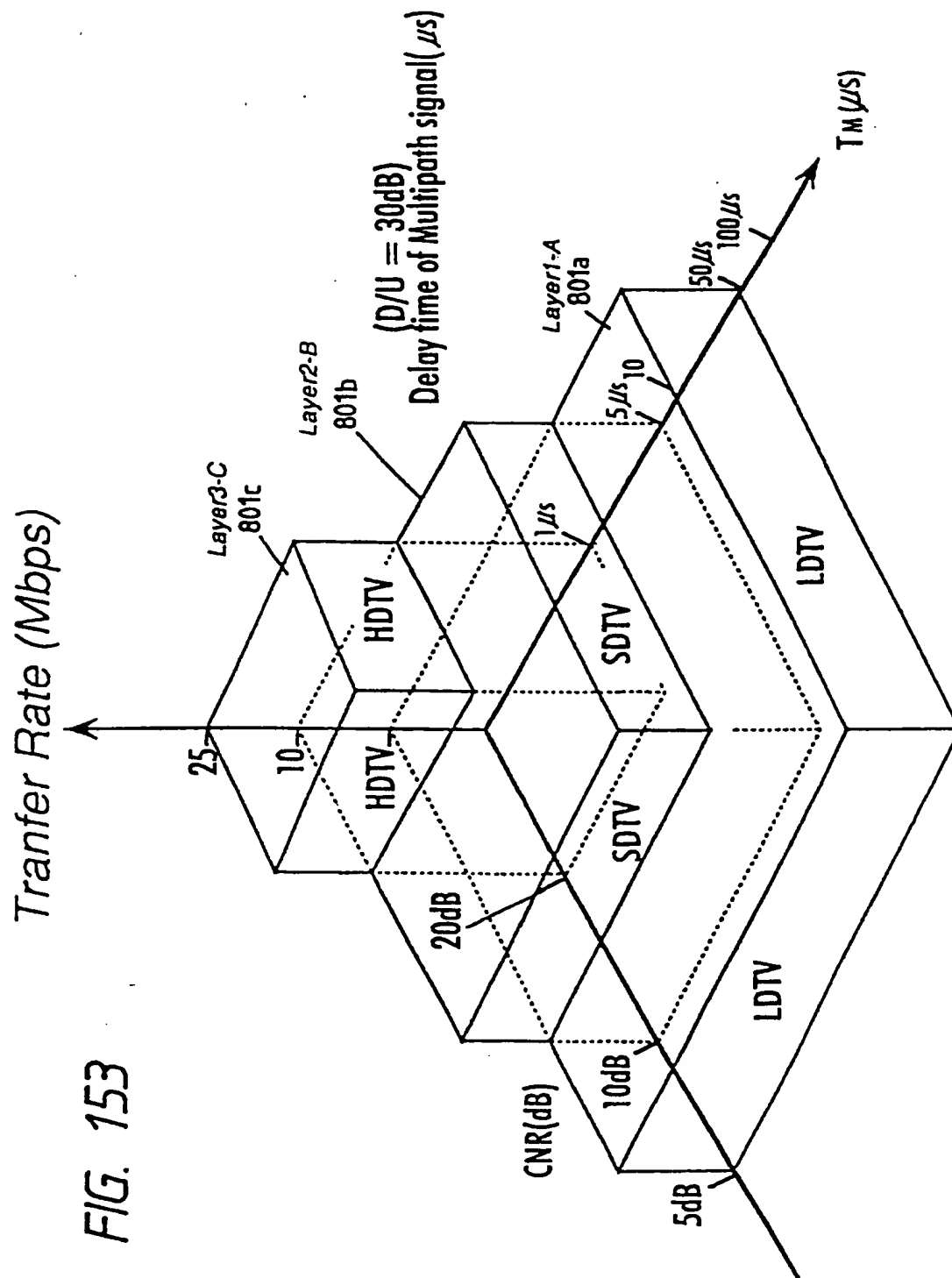
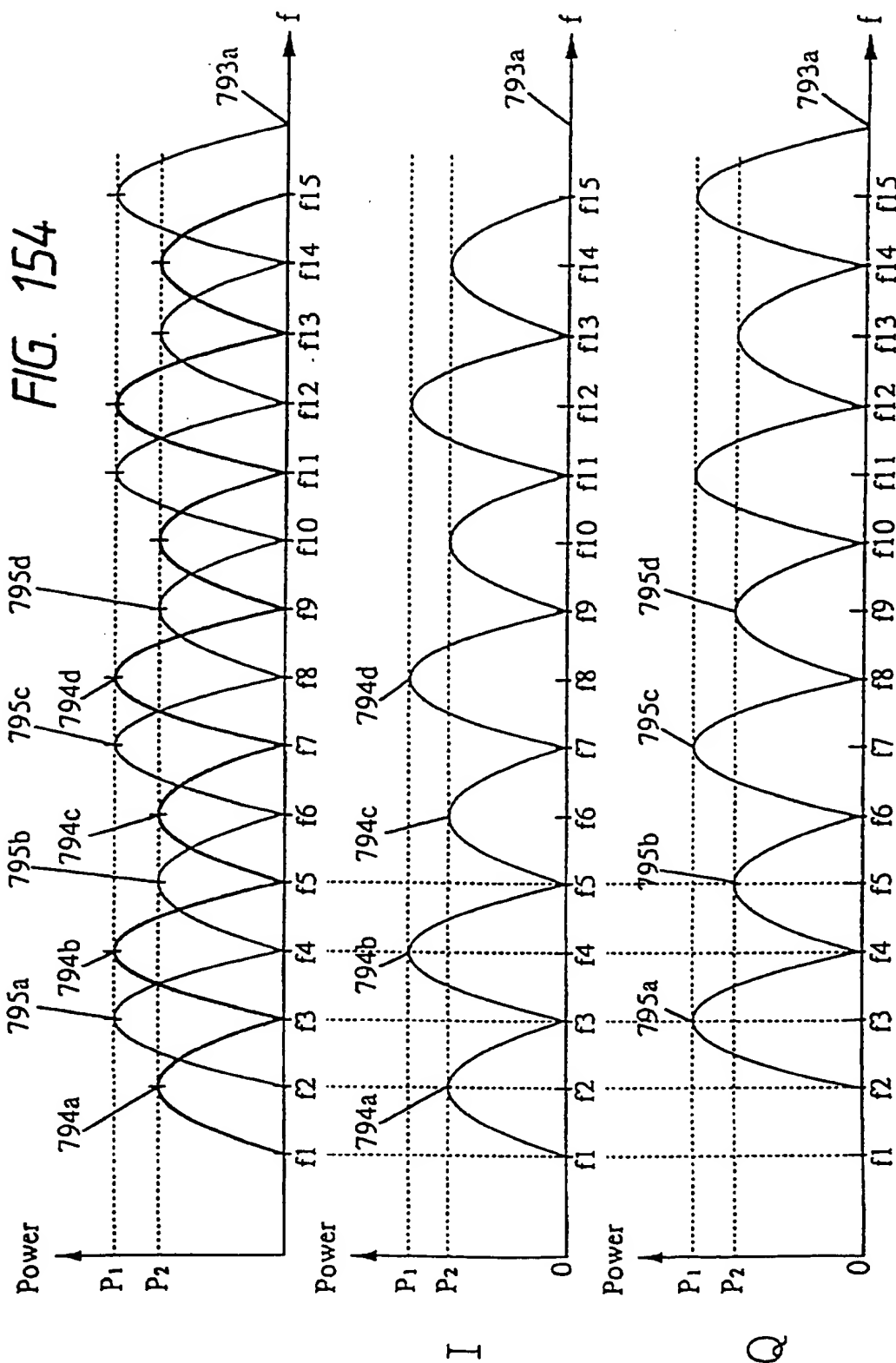


FIG. 152







DocId: 35004260

FIG. 155

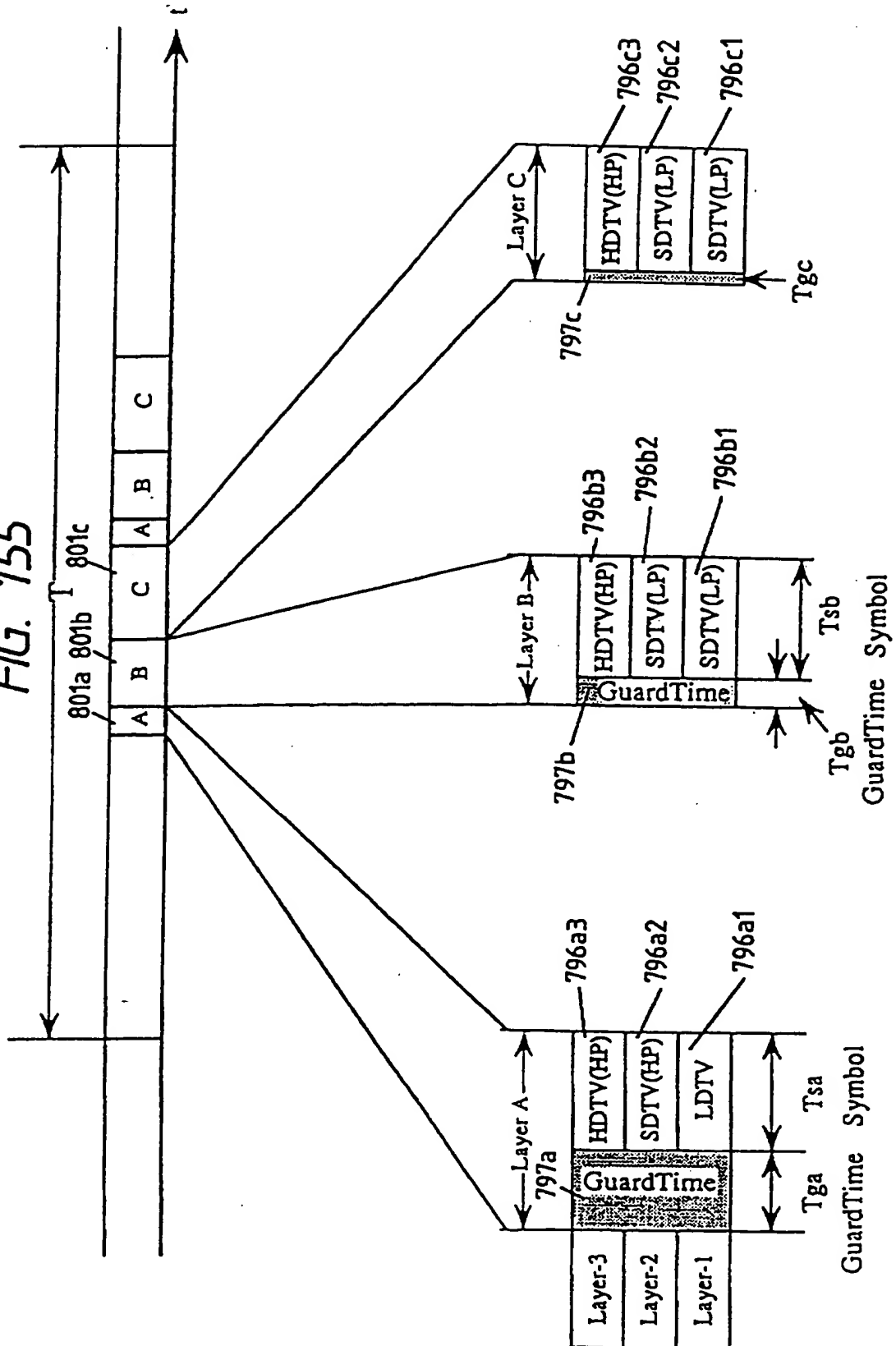




FIG. 156

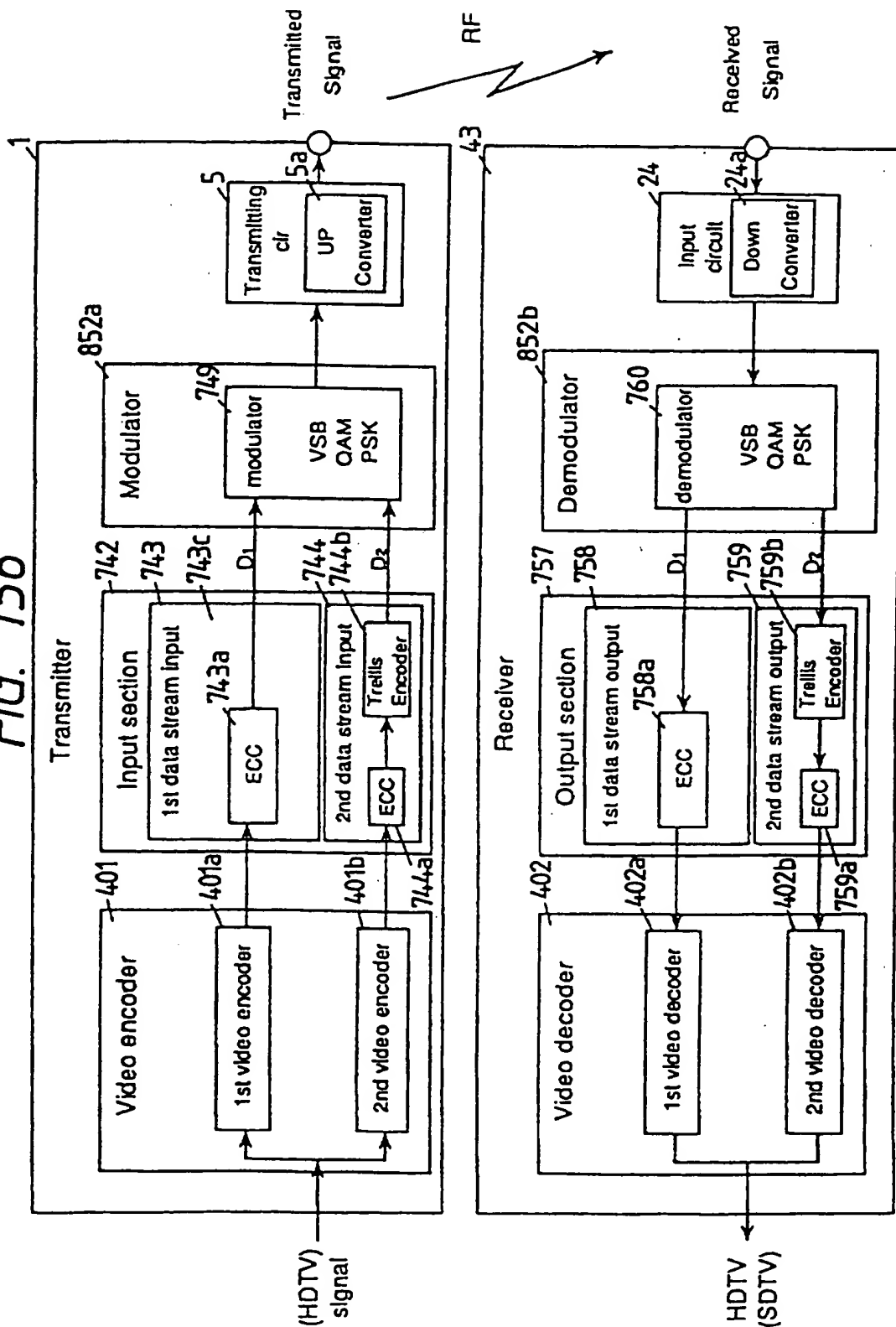


FIG. 157

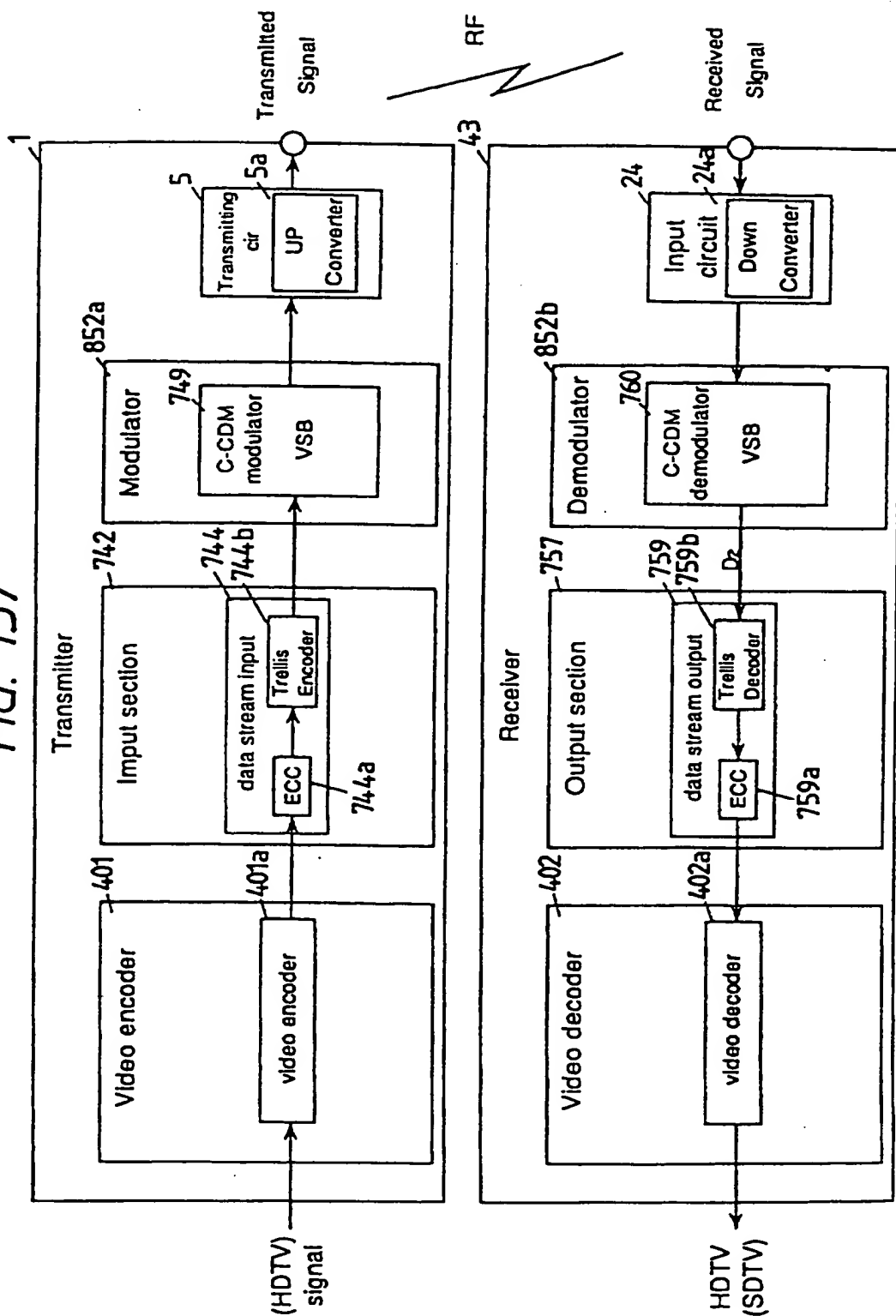


FIG. 158

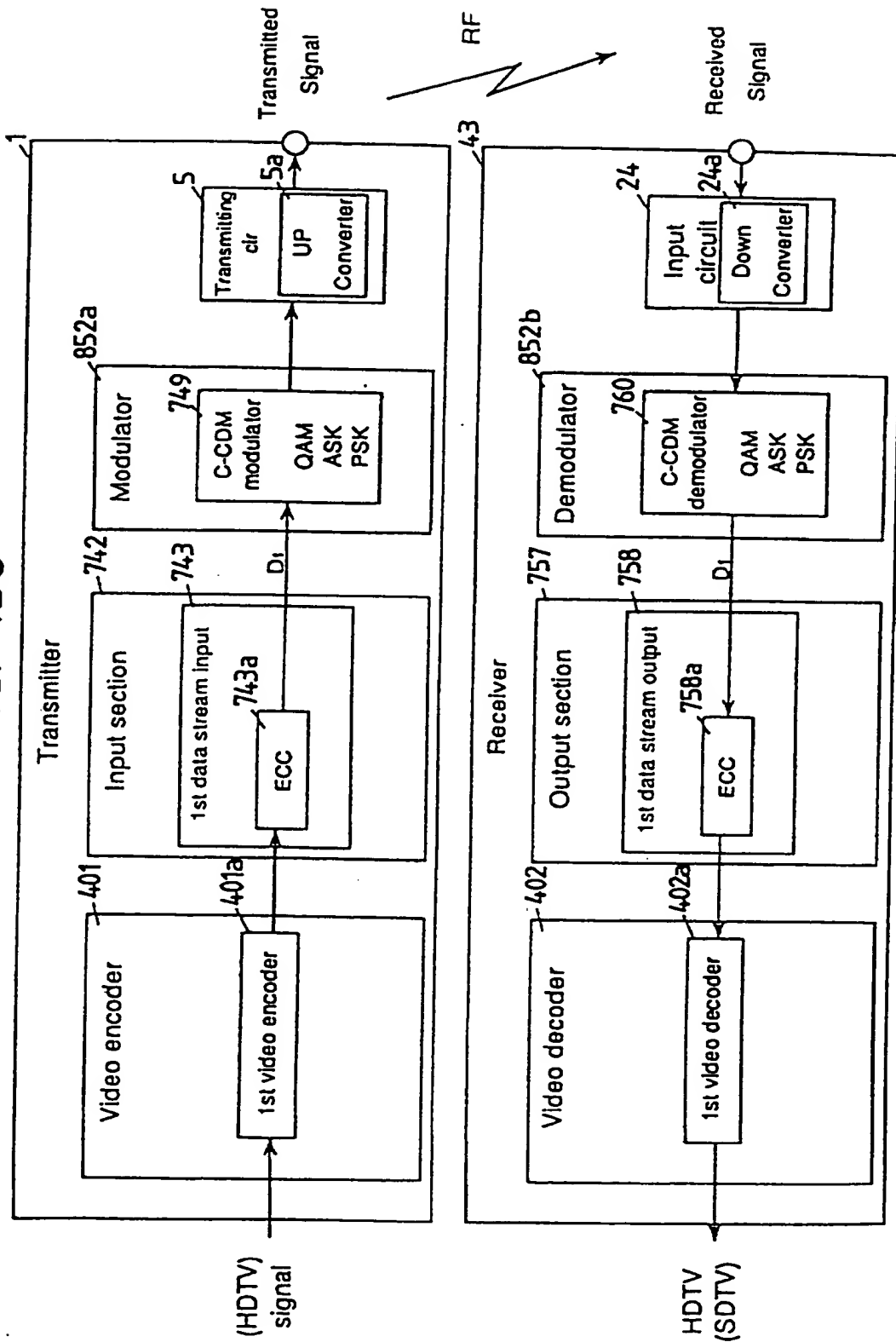
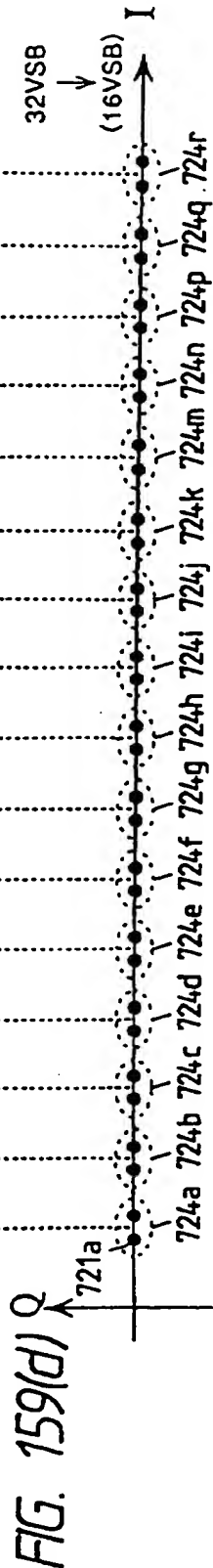
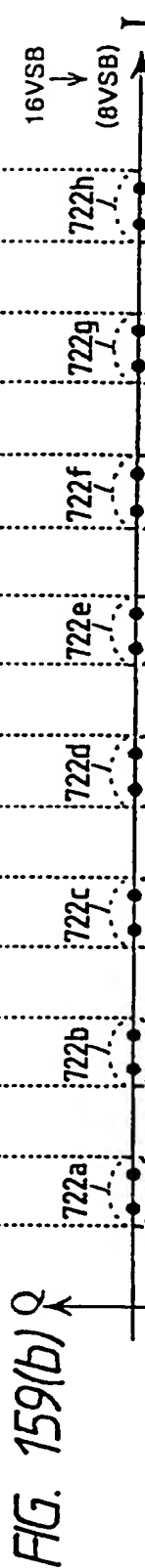
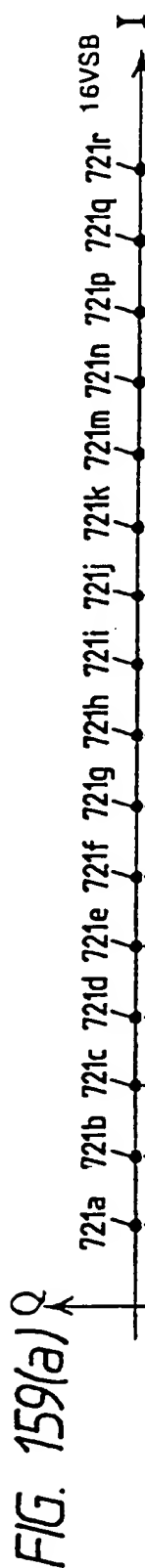


FIG. 159(a)



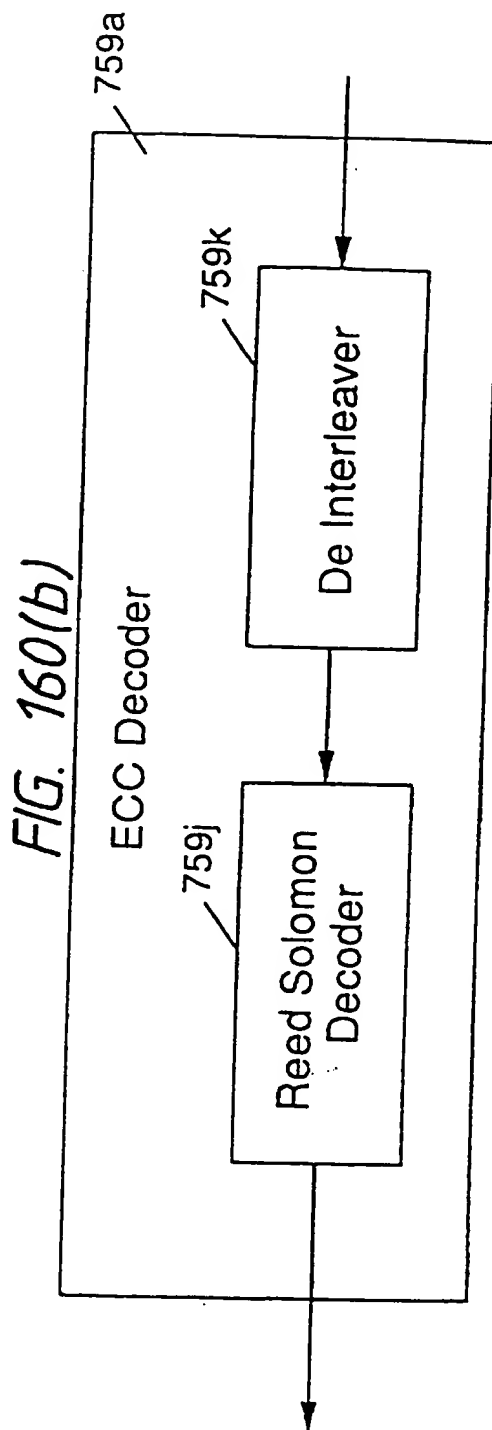
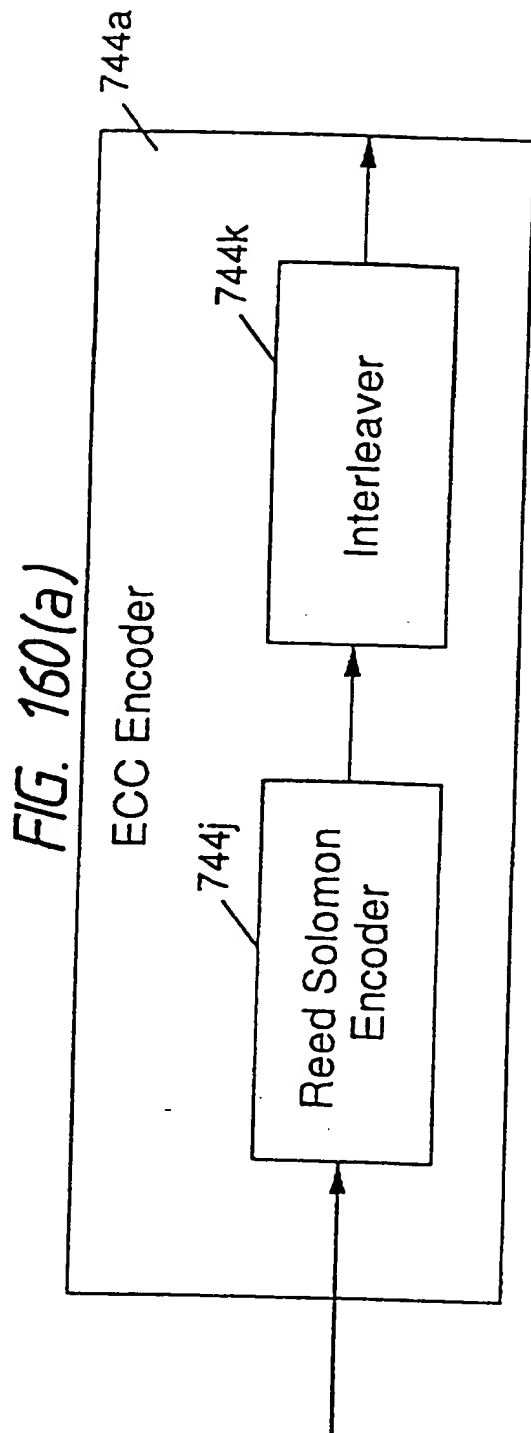


FIG. 161

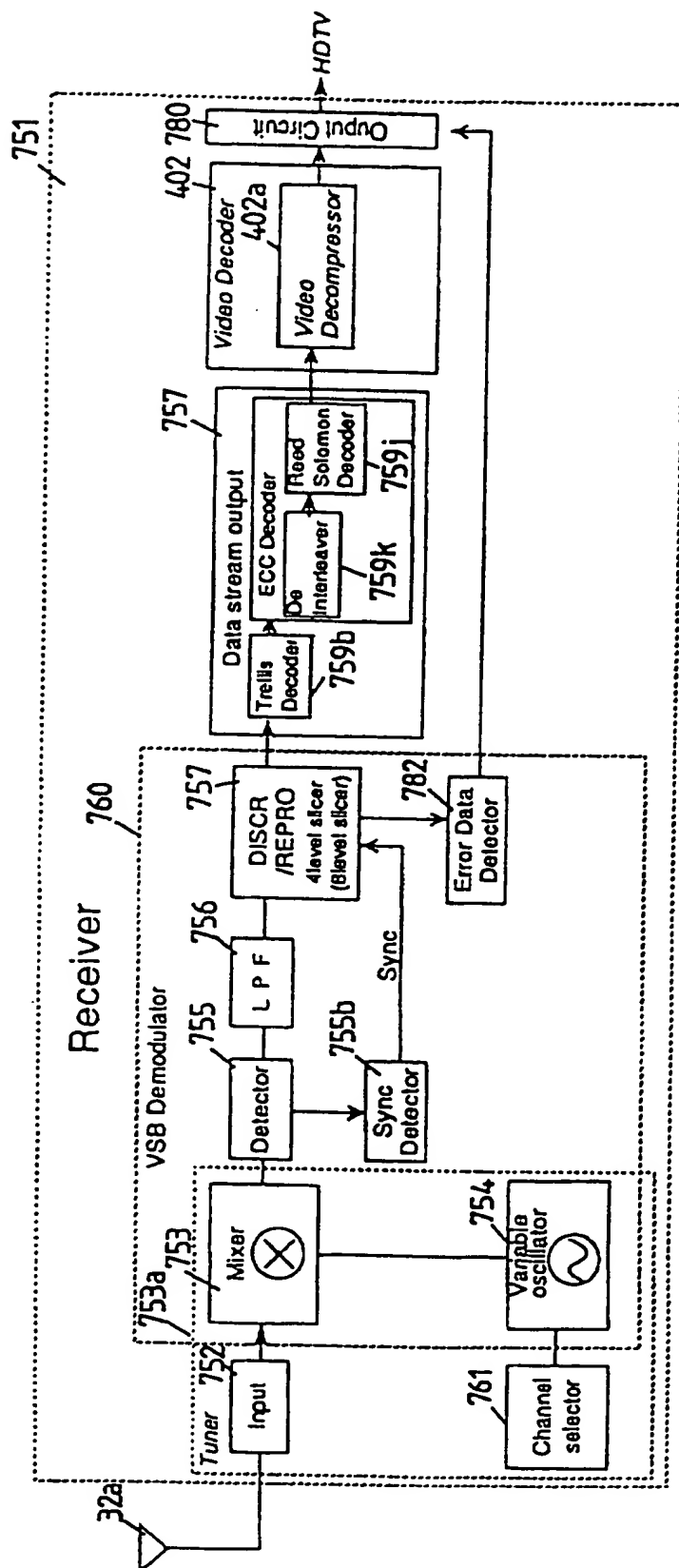
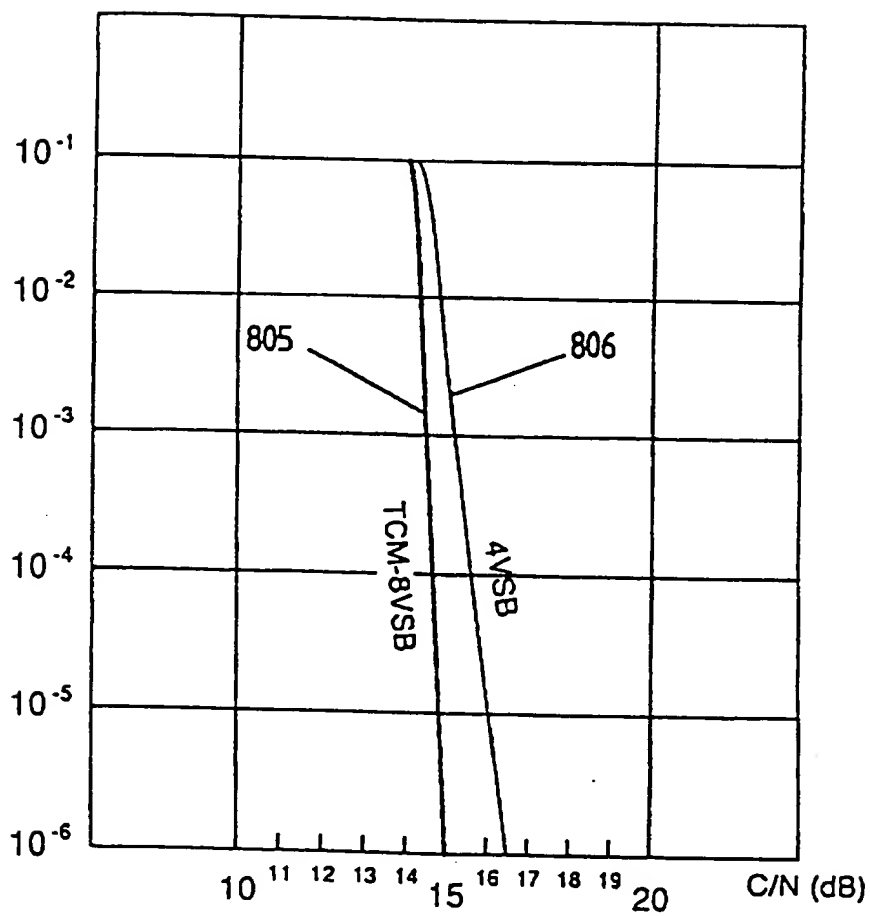




FIG. 163

Error Probability

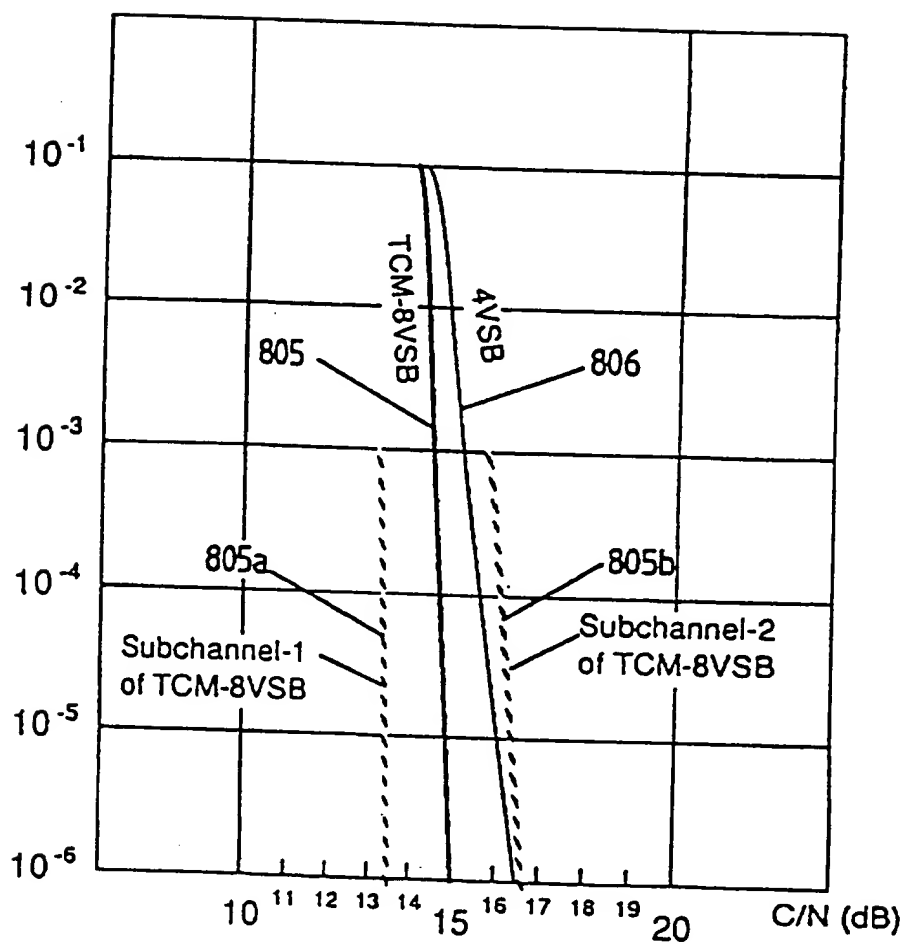


0974069-12000



FIG. 164

Error Probability



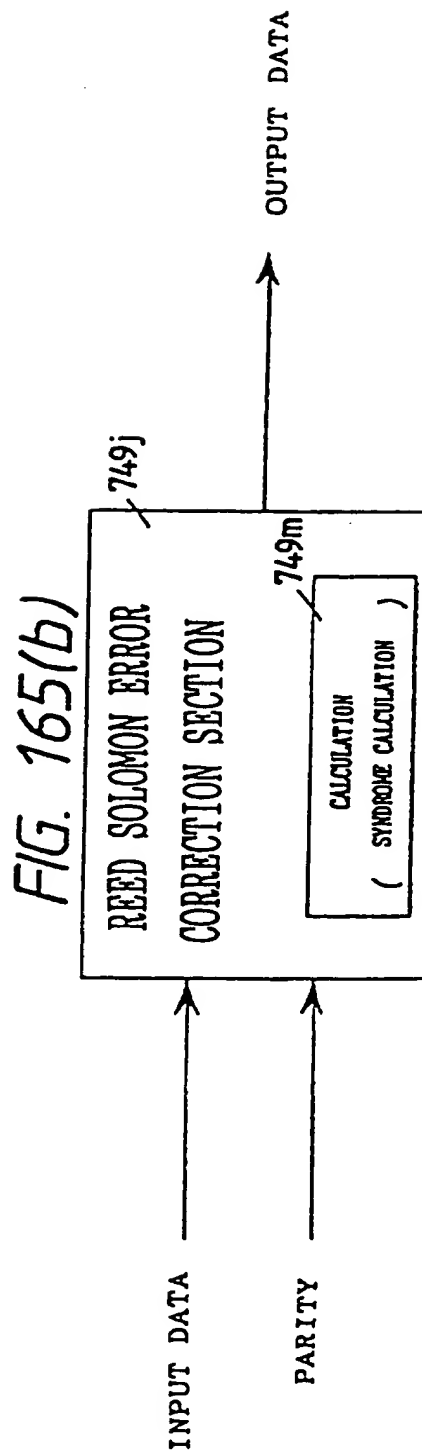
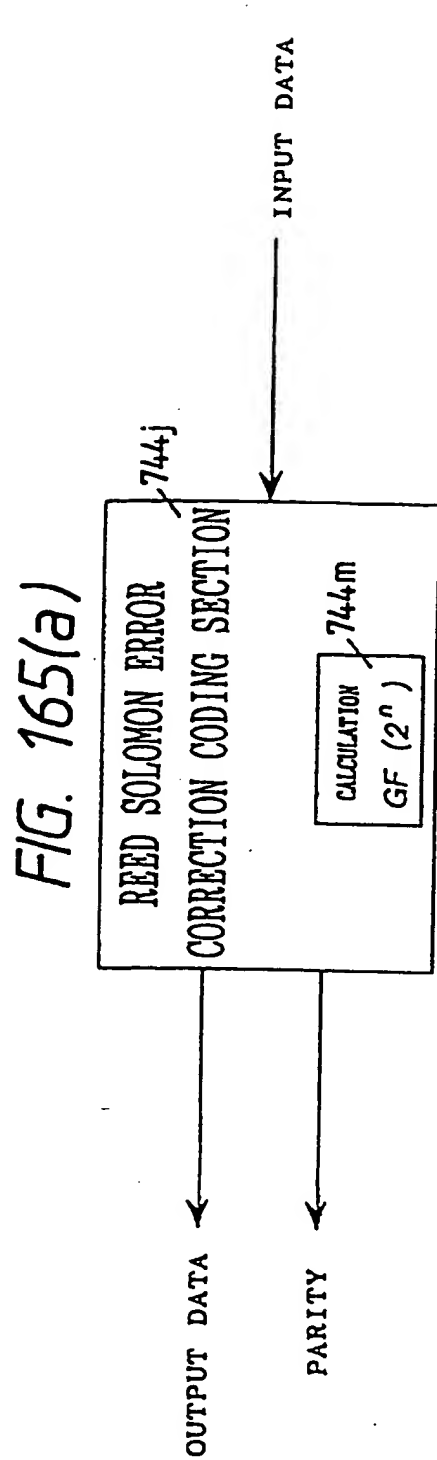
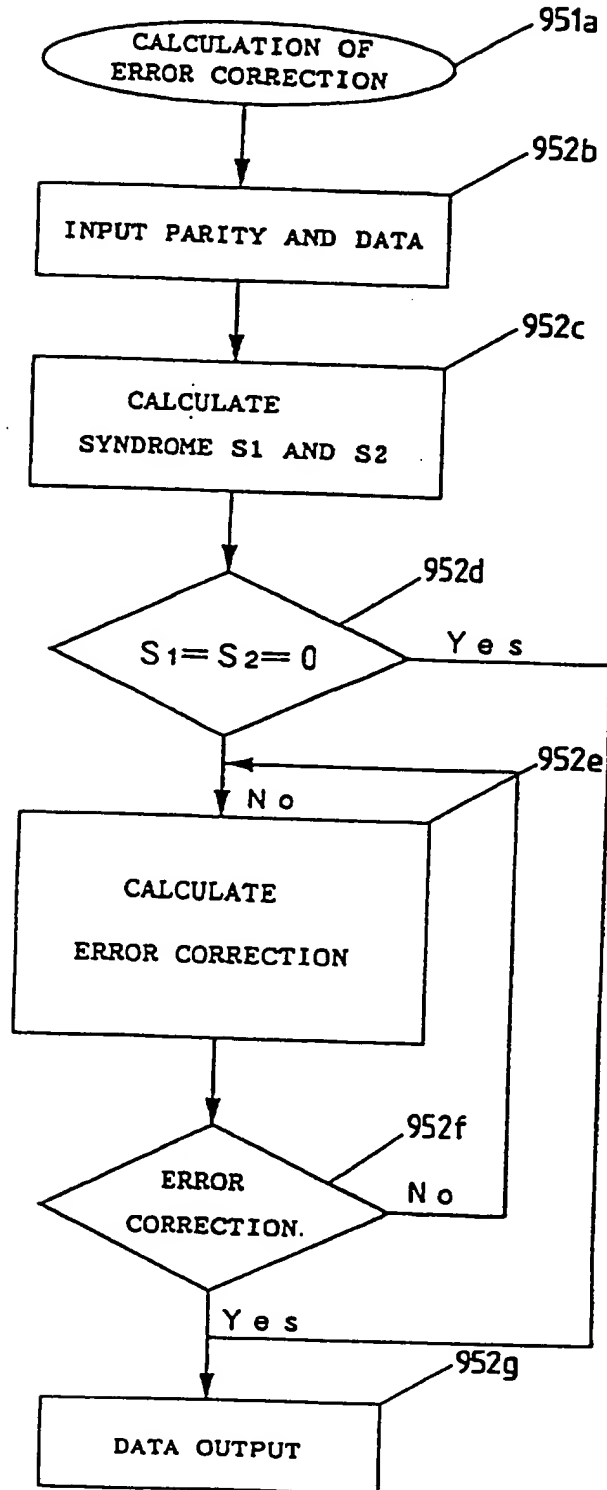


FIG. 166



000227-289007260

FIG. 167

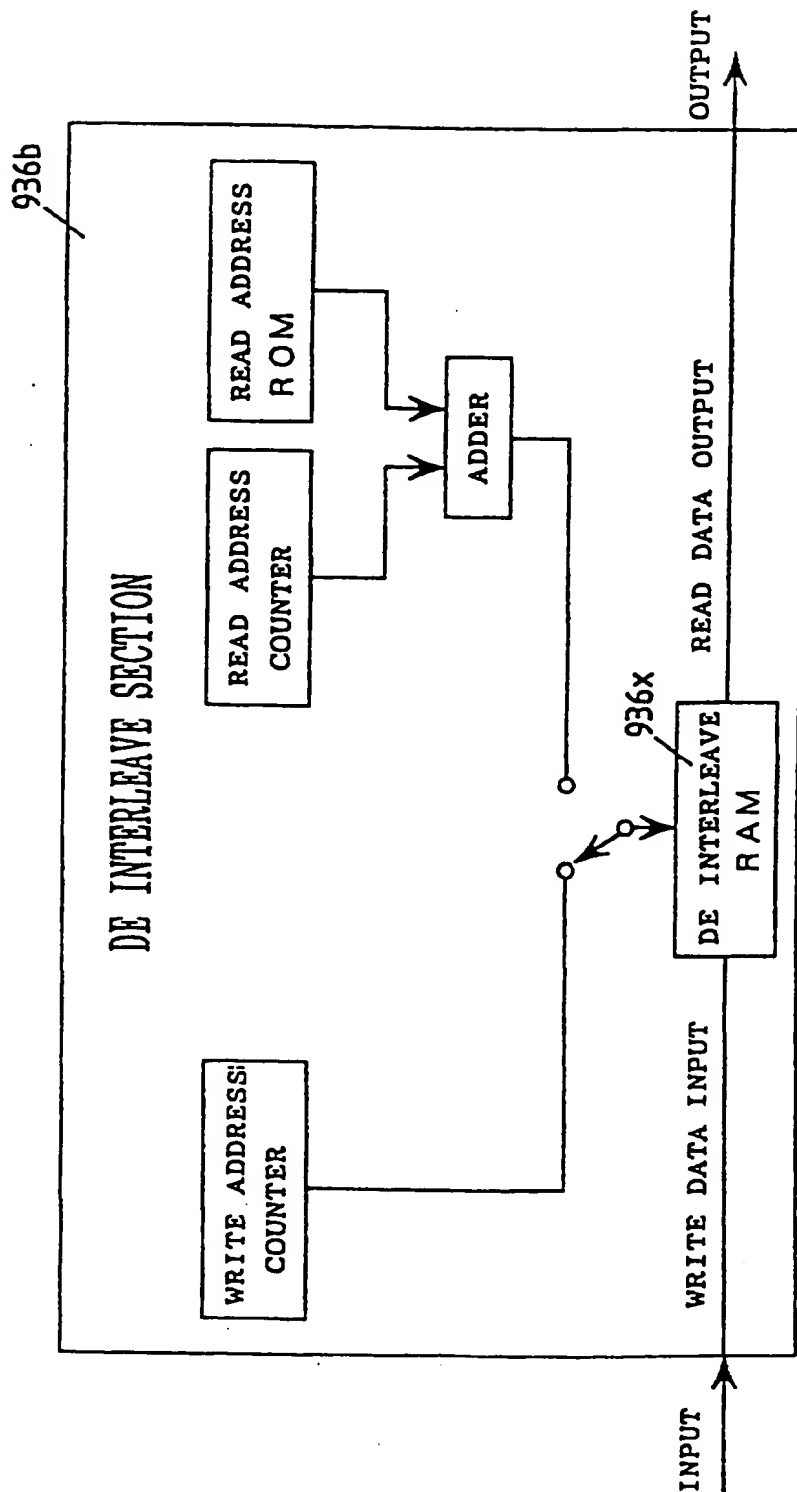


FIG. 168(a) Inter leave Table

1	2	3	4	5	6	7
Data						C2 Parity
1	A1	A2	A3	A4	A5	A6 Parity
2	B1	B2	B3	B4		
3	G1					
4	D1					
5	E1					
6	F1					
C1 Parity	Parity	Parity	Parity	Parity	Parity	Parity

FIG. 168(b)

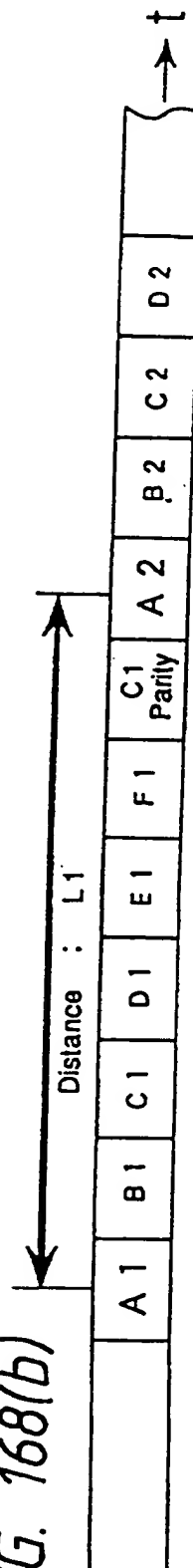


FIG. 169  
Comparison of Redundancy

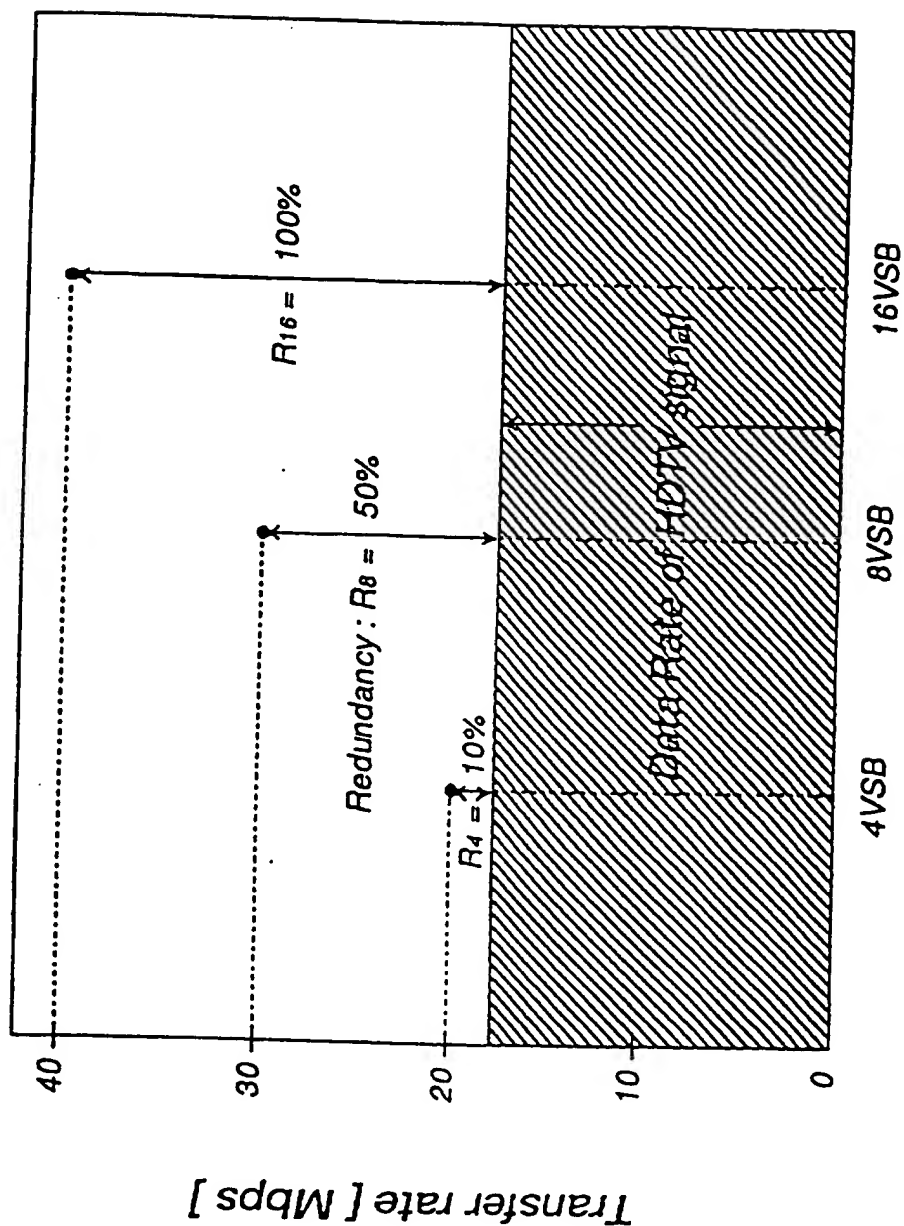


FIG. 170

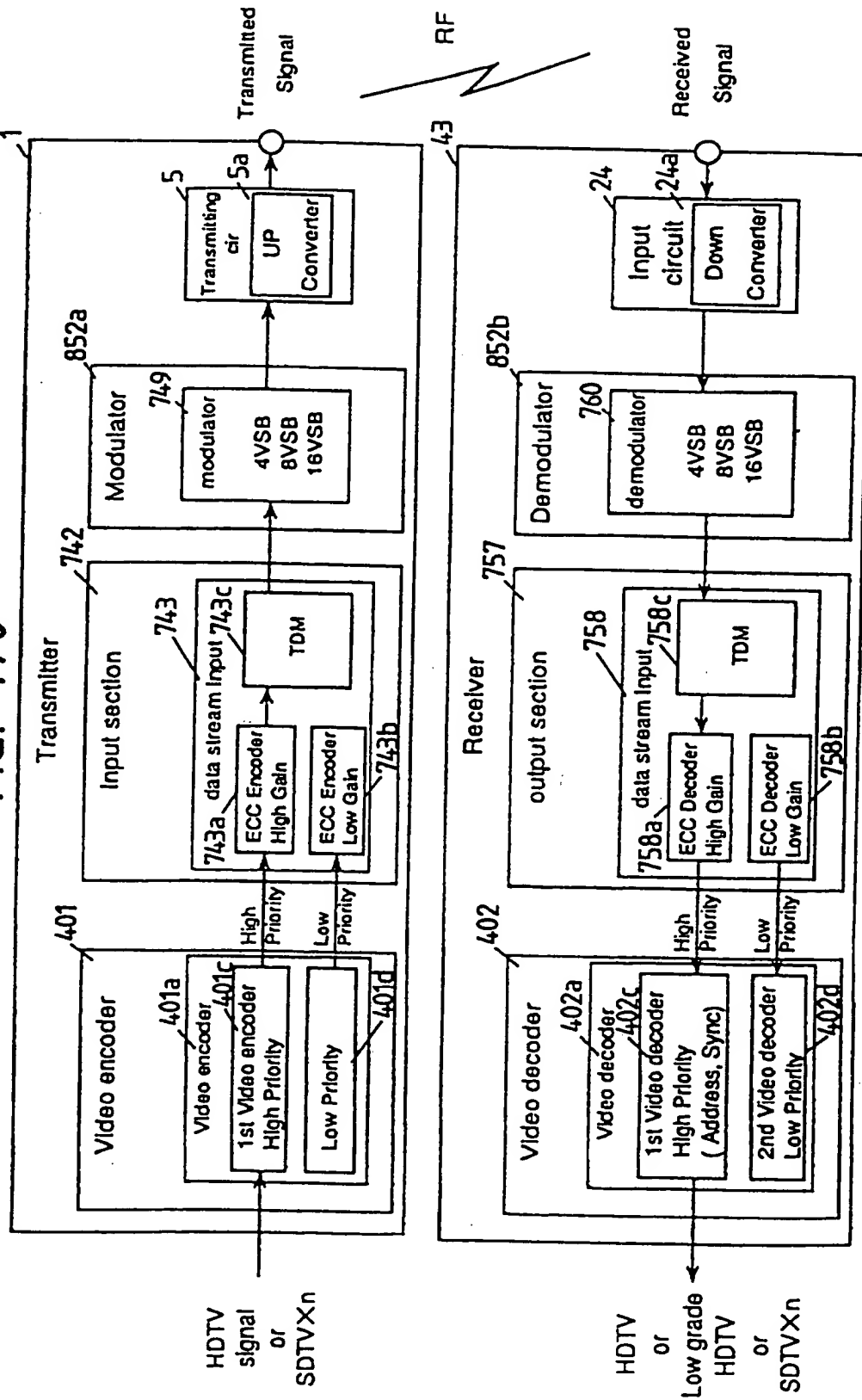


FIG. 171

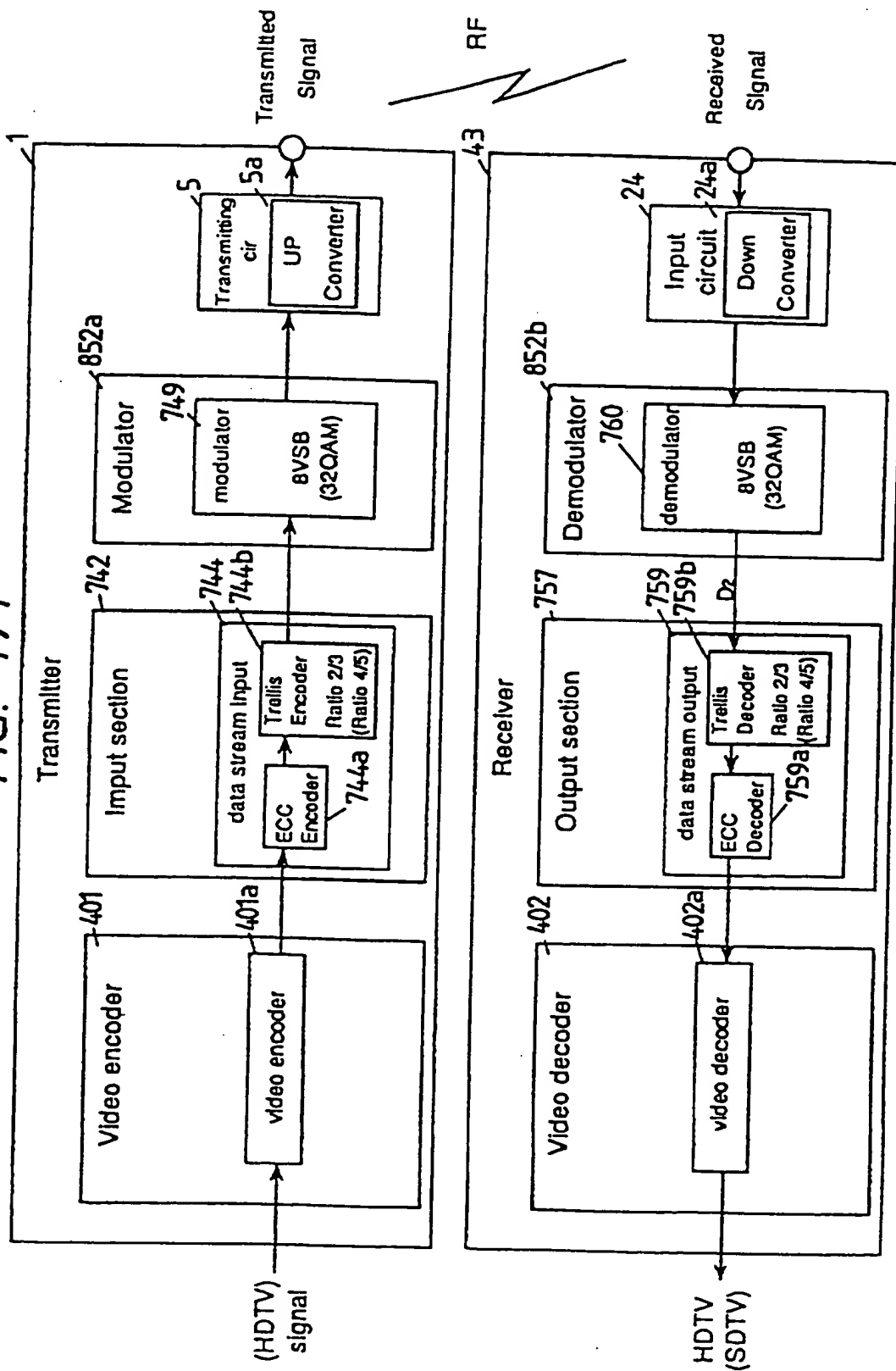




FIG. 172

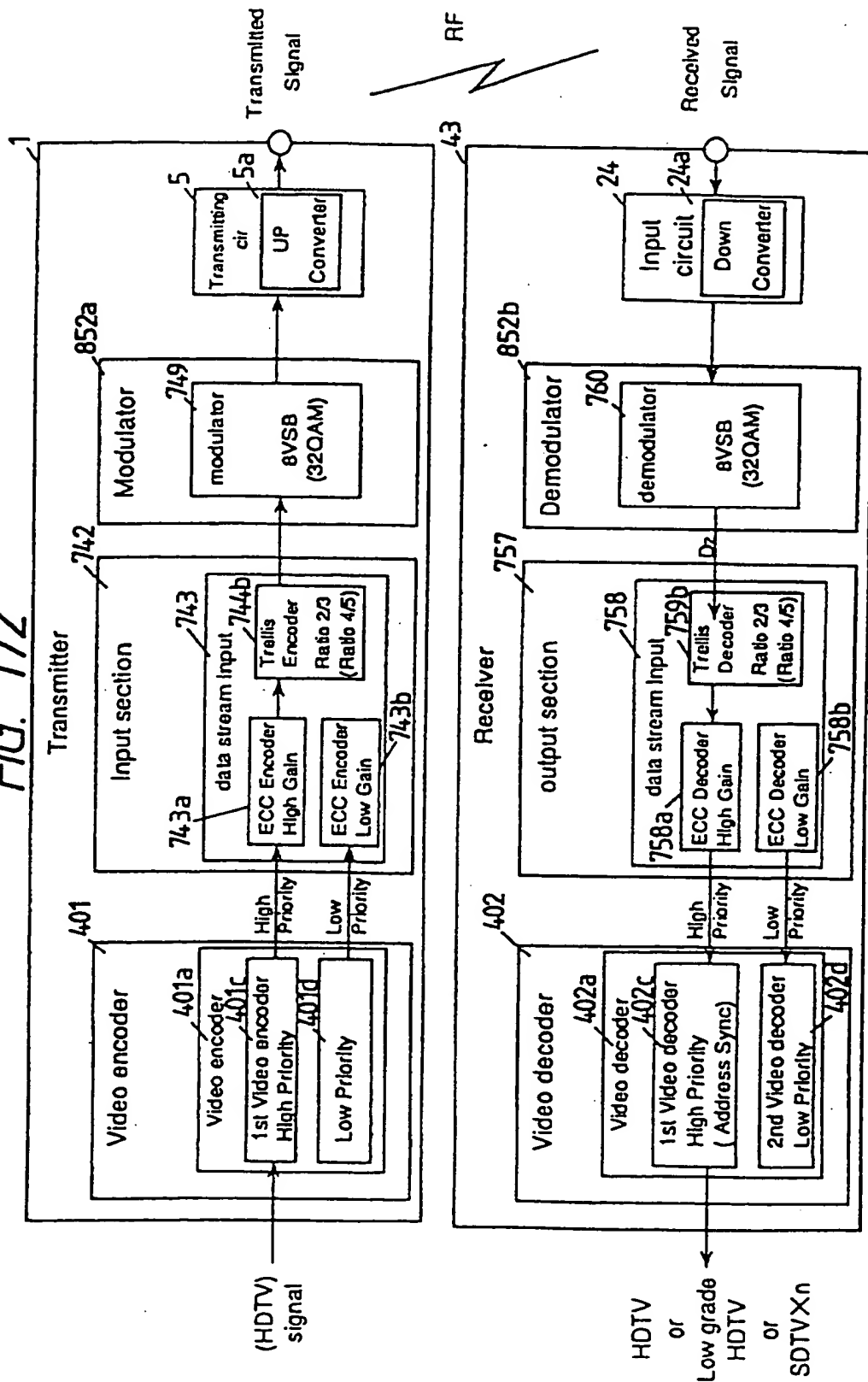


FIG. 173

